YEARBOOK 2 1953

AMERICAN COUNCIL ON INDUSTRIAL ARTS TEACHER EDUCATION

PROFESSIONAL 2 PERSONNEL

WHO'S WHO IN INDUSTRIAL ARTS TEACHER EDUCATION

Who's Who In Industrial Arts Teacher Education

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FOREWORD

The American Council on Industrial Arts Teacher Education is pleased to present Yearbook II to the profession. Consisting of professional information about those primarily engaged in teacher education, it complements Yearbook I which presented an inventory-analysis directory of institutions preparing industrial arts teachers, and completes the description of facilities and personnel. The officers of the Council anticipate that Yearbook II will be found to be of equal value to the profession, and that many uses will be made of the information compiled.

Special commendation is due the McKnight and McKnight Publishing Company which underwrites the entire cost of publishing and distributing yearbooks of the Council. Members receive complimentary copies, profits from the sale of yearbooks are credited to the treasury of the Council, while annual losses are absorbed by the Publisher. In demonstrating belief in and active support of Industrial Arts, the publishers have enhanced their reputation and earned the respect and gratitude of the profession.

Thanks are also due to the many members who provided the professional information needed to complete the descriptions of personnel, and particularly to Mr. Everett Sloan and Mr. James I. Paige for their assistance in compiling data.

Gerald Baysinger
President, American Council on
Industrial Arts Teacher Education

29 April 1953

AMERICAN COUNCIL ON INDUSTRIAL ARTS TEACHER EDUCATION

A Division of the American Industrial Arts Association and the National Education Association. Memberships at $5.00 are cordially invited of all interested industrial arts teacher educators, and will include a copy of the annual yearbook.

ADMINISTRATIVE STAFF, 1952-53

Gerald Baysinger. . . . . President
Wayne University, Detroit, Michigan
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LIST OF ABBREVIATIONS

AAC	Army Air Corps
AAFTS	Army Air Force Technical School
AAUP	American Association of University Professors
ACIATE	American Council on Industrial Arts Teacher Education
ACSCI	Association of California State College Instructors
Admin.	Administration
Adv.	Advisor
Aero.	Aeronautics
Agri.	Agriculture
AIAA	American Industrial Arts Association
Amer.	American
Arch.	Architectural
ASEE	American Society for Engineering Education
ASME	American Society of Mechanical Engineers
Assn.	Association
Assoc.	Associate
Asst.	Assistant
AVA	American Vocational Association
Avia.	Aviation
Avoc.	Avocational
Bd.	Board
Bldg.	Building
Carp.	Carpenter
CCC	Civilian Conservation Corps
Cent.	Central
Certif.	Certificate
Chair.	Chairman
CIAA	California Industrial Arts Association
Civ.	Civilian
Coll.	Collecting
Coll.	College
Com.	Committee
Conf.	Conference
Const.	Construction
Contbd.	Contributed
Coord.	Coordinator
CSEA	California State Employers Association
Ctr.	Center
Curr.	Curriculum
CVA	Colorado Vocational Association
Dept.	Department
Dir.	Director
Div.	Division
Draw.	Drawing
Edn.	Education
Educ.	Educational
EE	Electrical Engineering
Elect.	Electricity
Elem.	Elementary
Engr.	Engineer
Engrn.	Engineering
Eval.	Evaluation
Exec.	Executive
Exp.	Experience
Ext.	Extension
Fed.	Federal
Furn.	Furniture
Gen.	General
H.	High
Hd.	Head
Hosp.	Hospital
Jour.	Journal
IAVE.	Industrial Arts & Vocational Education
IIAA	Iowa Industrial Arts Association
Ind.	Industrial
Insp.	Inspector
Inst.	Institute
Instr.	Instructor
Ints.	Interests
ISEA	Iowa State Education Association
KEA	Kentucky Educational Association
KIAA	Kansas Industrial Arts Association
KIATT	Kentucky Industrial Arts Teacher Trainers
KIEA	Kansas Industrial Education Association
KSTA	Kansas State Teachers Association
KVA	Kansas Vocational Association
Lab.	Laboratory
(l.i.)	Limited information
Mach.	Machine
Man.	Manual
Math.	Mathematics
Mech.	Mechanical
Mechs.	Mechanics
Mem.	Member
Mfg.	Manufacturing
Mgt.	Management
MIES	Michigan Industrial Education Society
MVIAC	Mississippi Valley Industrial Arts Conference
NAITT	National Association of Industrial Teacher Trainers
Natl.	National
NATTC	Naval Air Technical Training Center

NDEA	North Dakota Education Association
NDHEA	North Dakota Higher Education Association
NEA	National Education Association
NEIAA	New England Industrial Arts Association
NEIATA	New England Industrial Arts Teachers Association
NJEA	New Jersey Education Association
NJIAA	New Jersey Industrial Arts Association
NJVAA	New Jersey Vocational & Arts Association
NVGA	National Vocational Guidance Association
NYSVPAA	New York State Vocational and Practical Arts Association
Occup.	Occupational
OEA	Ohio Education Association
OIAA	Ohio Industrial Arts Association
Photo.	Photography
Poly.	Polytechnic
Pract.	Practical
Pres.	President
Prin.	Principal
Print.	Printing
Prof.	Professor
Profnl.	Professional
Prog.	Program
PSEA	Pennsylvania State Education Association
Pub.	Public
Publs.	Publications
Schl.	School
Schls.	Schools
Sci.	Science
Sec.	Secondary
Sectry.	Secretary
Soc.	Society
Splty.	Specialty
Stud.	Student
Suprn.	Supervision
Supt.	Superintendent
Supv.	Supervisor
T. & I.	Trade & Industrial
Tchr.	Teacher
Tchrs.	Teachers
Tech.	Technical
Twp.	Township
Univ.	University
USAAF	United States Army Air Force
USMC	United States Marine Corps
USN	United States Navy
V.	Vice
Voc.	Vocational

A PREFACE
TO THE DIRECTORY

Democracy functions under two major emphases – the worth of the individual and the welfare of the group. Since the group is but a multiple, the individual must assume first priority in the study of any human institution.

The future of industrial arts education in America is largely in the hands of its teachers, most of whom have prepared for their careers under some of the one thousand industrial arts teacher educators in more than two hundred institutions of higher learning. These men and women who teach the teachers have a grave responsibility, both individually and collectively. They are a profession. Industrial arts will rise upon their shoulders or fall at their feet. Each contributes and will continue to play an important role.

The American Council on Industrial Arts Teacher Education takes pleasure in introducing each of us to all of us. Yearbook II is devoted and dedicated to the individual industrial arts teacher educator.

Procedure

Who is the industrial arts teacher educator? What has he done and what is he doing? Yearbook II is the most complete answer to these questions yet assembled. The collection and organization of personal and professional data for about a thousand individuals was no mean task.

It started on January 5, 1951, when the council president addressed a letter to department heads of all institutions of higher learning offering instruction leading to certification in industrial arts. Enclosed with that letter were a questionnaire concerning facilities, personnel, and programs and copies of a blank entitled, Who's Who in American Industrial Arts Teacher Education, for all staff members. It later proved impractical to include all of this information in a single volume; hence,

Yearbook I dealt with an inventory analysis of facilities, personnel, and programs, while the biographical data concerning teacher educators was reserved for Yearbook II.

A number of follow-up requests were sent during the remainder of the year. About a month after the original mailing, a postcard reminder was sent to all department heads from whom no reply had been received. A second letter, with questionnaires and Who's Who blanks, was mailed three weeks later. Individual letters were then sent to those teacher educators who had not returned the Who's Who information, and a final letter to department heads was mailed on April 16.

In May, 1952, a letter was sent to all department heads requesting deletions and additions to bring the personal and professional data, now on file, up to date. A final memo in September was addressed to all individual teacher educators from whom the council still had received no reply.

Findings

Here, for the first time, industrial arts teacher education is analyzed in terms of its human composition. Personal and professional biographical data are included for each individual under the headings: name, address, date and place of birth, present position, formal education, marital status, professional and other work experience, publications, organizations, areas of specialization, travel, and avocational interests.

Yearbook I records the physical and instructional aspects of industrial arts teacher education in the United States; Yearbook II completes the picture by presenting the people who compose the profession.

James I. Paige analyzed the first 500 returns as a part of his master's thesis presented at the University of Florida in June, 1951. A study of later returns indicates no significant change in percentages tabulated; hence, the following data are derived from his thesis.

Place of Birth

New York, Wisconsin, and Texas are the native states of about twenty-three per cent of the industrial arts teacher educators. Seventy-three per cent were born in the fifteen states of Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Nebraska, New York, Ohio, Missouri, Oklahoma, Pennsylvania, Tennessee, Texas, and Wisconsin.

Seven states were not listed by a single individual, and less than five were born in each of twenty states. Twenty-five or more persons were born in each of seven states.

Less than two per cent were foreign-born – four in Canada and one each in France, England, and Sweden.

Marital Status

Six per cent were unmarried, while seventeen per cent were married

and childless. The number of children in the families of the remaining seventy-seven per cent ranged from one to ten, with an average of 1.94.

Only twenty-two per cent of the educators had more than two children, five per cent had more than three, and one per cent had more than four.

Age

The average age of industrial arts teacher educators was 41.9 years. The youngest was twenty-four, and two were sixty-eight years of age. About six per cent were more than sixty, while seventy-one per cent were born between the years 1904 and 1925.

Professional Preparation

Slightly more than one per cent of the individuals held no degree, while almost twelve per cent held the doctor's degree. The bachelor's degree was held by about thirteen per cent and the master's degree, by seventy-five per cent.

Individuals holding the doctor's degree ranged in age from twenty-eight to fifty-eight years at the time of receiving the degree, with an average of 39.69 years of age.

The five hundred educators averaged 9.8 years of experience in industrial arts teacher education. One individual reported forty-one years of experience, and about eleven per cent had more than twenty-five years of experience in the profession. Less than seven years of experience was reported by fifty-eight per cent.

The average number of years of experience in public school teaching was 7.4, but twenty-one per cent reported no public school experience. Only twelve per cent had more than thirteen years of such experience, while fifty-three per cent experienced six years or less of public school teaching.

Publications and Organizations

Twelve per cent of the educators have written one or more books, and twenty-seven per cent have contributed at least one article to a professional periodical.

Membership in the American Industrial Arts Association and/or the National Education Association was reported by sixty-six per cent, and fifty-five per cent were members of the American Vocational Association and/or the National Association of Industrial Teacher Trainers.

Epsilon Pi Tau was represented by forty-two per cent of the individuals, while thirty-seven per cent were members of Phi Delta Kappa. More than fifty national professional organizations and twenty fraternities were listed.

Travel and Avocational Interests

Forty-seven per cent of the educators have travelled abroad. Of

these, about three-fourths travelled during service in the armed forces. Experience ranged from brief visits across the borders to extensive trips around the world.

About seventy-five per cent of the teacher educators listed avocational interests, the most popular of which could be classified as outdoor sports. One individual was state chairman of the square dance, while another is the former world's champion wild horse race rider.

Among the most popular avocations were photography, home workshop, radio, woodwork, home planning and repair, Boy Scout work, travel, crafts, model-building, gardening, boating, reading, oil painting, and music.

Conclusion

It is evident from the perusal of the foregoing data that industrial arts teacher education is a full-fledged profession, worthy of a permanent place in the circle of higher education. The profession is young, yet well equipped for its task both in terms of formal education and professional experience.

It is somewhat surprising, however, to find that about one of every five industrial arts teacher educators has had no experience in public school teaching. The study also seems to indicate a need for an increase in the production of professional books.

The objective of Yearbook II is to present certain biographical data concerning every individual in the United States who devotes half-time or more to industrial arts teacher education. The editors acknowledge that this volume must fall somewhat short of the objective. There are errors, primarily of omission; but every effort has been made, with the resources available, to keep them to a minimum. Industrial arts teacher educators are urged to send corrections, additions, and deletions to the executive secretary.

Yearbook II is the result of an effort to take stock of the human resources of a profession which unquestionably determine the potential of any educational endeavor. It is earnestly hoped that the information provided within this volume may serve as incentive and challenge to American industrial arts teacher educators in the attainment of the highest professional ideals and goals.

WHO'S WHO IN INDUSTRIAL ARTS TEACHER EDUCATION

ADAMS, Conrad A., Asst. Prof. of Trade and Industry, Keene Tchrs. Coll., Keene, N. H.. b.: May 6, 1886, Stowe, Vt.. Married, three children. Edn.: B.S.E.E., Univ. of Vt., 1909; M.Ed., Boston Univ., 1932. Exp.: Instr. and Asst. Prof., Engrn. Schl., Tufts Coll., 1909-23; Franklin Tech. Inst., Boston, Mass., 1923-24; Keene Tchrs. Coll., Keene, N.H., 1924---. Area of Splty.: Mach. Shop.

ADAMS, E. Melvin, Asst. Prof. of Ind. Edn., State A. & M. Coll., Orangeburg, S. C.. b.: Dec. 7, 1911, Newberry, S. C.. Married, four children. Edn.: B.S., State A. & M. Coll., Orangeburg, S. C., 1934; M.S., ibid, 1948. Exp.: Inst. of Mech. Engrn., State A. & M. Coll., Orangeburg, S. C., 1938-48; Asst. Prof. of Ind. Edn., ibid, 1948—; State Tchr. Trainer, Trade and Ind. Edn., 1948---. Mem.: A.V.A.; Palmetto Tchrs. Assn..

ADAMS, James M., Sr. Instr., Hampton Inst., Hampton, Va.. b.: Mar. 10, 1906, Lexington, Ky.. Married. Edn.: Diploma, Hampton Inst., Hampton, Va., 1927; B.S., ibid, 1933; M.A., ibid, 1947. Exp.: Journeyman Cabinetmaker, 1927-31, 1933-35; Educ. Adv., C.C.C., Hampton Inst., Hampton, Va., 1935-37; Instr., Cabinetmaking, Hampton Inst., Hampton, Va., 1937-40, Chair., Dept. of Furn. Trades, 1940-48, Sr. Instr., Charge of Furn. Trades, 1948---. Mem.: A.V.A.; N.E.A.; Va. Tchrs. Assn.. Areas of Splty.: Cabinetmaking, Upholstery. Travel: Canada; U.S.. Avoc. Ints.: Research; Arts and Crafts.

ADAMS, John V., Assoc. Prof. of Edn., N.Y. Univ., Wash. Square, N.Y.C.. b.: Feb. 6, 1899, Pittsfield, N.H.. Married, two children. Edn.: B.S. in E.E., Univ. of N.H., 1924; M.S.,ibid, 1928; Ed.D., N.Y. Univ., 1947. Exp.: Instr., Univ. of N.H., 1924-28; Research in E.E.,

Leeds and Northrup, Phil., Pa., 1928-31; Instr., Pub. Schls., New Rochelle, N.Y., 1931-40; Instr., N.Y. Univ., 1940-47; Asst. Prof., ibid, 1947-50; Assoc. Prof., ibid, 1950---. Publs.: Home Mechanics Handbook, 1946, co-author; Home Crafts Handbook, 1948, co-author; Plastic Arts' Crafts, 1948, author. Mem.: N.Y.S.V.P.A.A. Area of Splty.: Electricity and Related Science. Avoc. Ints.: Radio; Television.

AINSWORTH, Chester B., Asst. Prof. of Ind. Edn., Ark. State Tchrs. Coll., Conway, Ark.. b.: June 18, 1918, Worland, Wyo.. Married, one child. Edn.: B.S., John Brown Univ., Siloam Springs, Ark., 1941; M.S., Okla. A. & M. Coll., Stillwater, 1947. Exp.: Tchr., Elem. and Sec. Schls., 1½ yrs.; Civ. Instr., A.A.F.T.T.S., 1942-43; Officer, U.S.A.A.F., 1943-46; Ark. State Tchrs. Coll., Conway, 1947---. Mem.: A.V.A.; N.E.A.; A.I.A.A.; A.C.I.A.T.E.; Ark. Ind. Arts Assn.; Ark. Edn. Assn.; Iota Lambda Sigma; Kiwanis International. Areas of Splty.: Metalwork; Drafting; Woodwork. Travel: U.S.; Guam; Cuba. Avoc. Ints.: Fishing; Athletics; Reading; Music.

ALCORN, William, Jr., Instr., Va. State Coll., Petersburg, Va.. b.: Nov. 14, 1914, Clarksdale, Miss.. Married. Edn.: B.S., Tenn. A. & I. Coll., 1938; Diploma, Hubbard Dry Cleaning Schl., 1943. Exp.: Dry Cleaning Business, 1930—; Instr., Dry Cleaning, Va. State Coll., 1940---. Mem.: A.V.A.; Va. Tchrs. Assn.. Area of Splty.: Dry Cleaning. Travel: U.S.. Avoc. Ints.: Sports; Reading; Music; Travel; Church.

ALEXANDER, S. (l.i.), B.S., Asst. Instr., Ind. Edn. Dept., Tuskegee Inst., Ala..

ALLEN, H. B., Prof. of Edn., W. Va. Univ., Morgantown, W. Va.. b.: Apr. 28, 1893, Buffalo, N.Y.. Married, seven children. Edn.: B.S., Cornell Univ., 1914; M.S., ibid, 1920; Ph.D., ibid, 1932. Exp.: N.Y. State Coll. of Agri., 1918-20; Tchr., Voc. Agri., H. Schls. of N.Y. and Pa., 1914-18; State Supvr. of Voc. Agri., W. Va., 1920-26; Prof. of Edn., W. Va. Univ., 1926---. Publs.: Various bulletins and magazine articles on Voc. Edn.. Mem.: A.V.A.; N.E.A.; W. Va. Edn. Assn.; Kappa Delta Pi; Phi Delta Kappa. Areas of Splty.: Voc. Edn.; Ind. Arts Edn.; Guidance; Adult Edn.. Travel: U.S.; Canada. Avoc. Ints.: Farming.

ALLEN, Willard A., (l.p.) Instr. State Univ. of N.Y., Tchrs. Coll., Oswego, N.Y.. b.: Feb. 20, 1923, Oneonta, N.Y.. Married, one child. Edn.: B.S., State Tchrs. Coll., Oswego, N.Y., 1947; M.Ed., Pa. State College, 1950. Exp.: U.S.A.A.F. Pilot, 1943-45; Tchr., Ind. Arts, Beaver River Central Schl., Beaver Falls, N.Y., 1947-50; Instr., Metal Work, Oswego State Tchrs. Coll., 1950—. Mem.: Epsilon Pi Tau; Iota Lamba Sigma. Area of Splty.: Gen. Metal Shop. Avoc. Ints.: Model

Airplane Bldg.; Fishing; Sports.

ALT, Jerome J., Instr., Southern State Tchrs. Coll., Springfield, S.D.. b.: Dec. 1, 1922, Menomonie, Wis. Married, two children. Edn.: B.S., The Stout Inst., 1950. Exp.: Southern State Tchrs. Coll., Springfield, S.D., 1949—. Mem.: N.E.A.; A.V.A.; S.D. Edn. Assn.; Sigma Delta Mu. Area of Splty.: Ind. Arts. Avoc. Ints.: Craft Hobbies.

ANDERSON, Herbert A., Instr., The Stout Inst., Menomonie, Wis.. b.: May 15, 1918, Jeffris, Wis.. Married, two children. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1944; M.A., Univ. of Minn., 1947. Exp.: Instr., A.A.F., 1942-43; Ind. Arts Tchr., Red Wing, Minn., 1944-46; Voc. Coord., Red Wing, Minn., 1946-47; Ind. Arts Tchr., Rochester, Minn., 1947-48; Tchr. Trainer, The Stout Inst., Menomonie, Wis., 1948—. Publs.: Contbd. to "Schl. Shop". Mem: N.E.A.; A.V.A.; A.A.U.P.; Wis. Edn. Assn.; Epsilon Pi Tau; Phi Delta Kappa; Alpha Phi Omega. Areas of Splty.: Ind. Edn.; Voc. Coord.; Woodwork. Travel: Sweden; U.S.. Avoc. Ints.: Outdoor Sports.

ANDERSON, J. R. (l.i.), B.S., Instr., Div. of Ind., Central State Coll., Wilberforce, Ohio.

ANDERSON, Lawrence, Instr., Ky. State Coll., Frankfort, Ky.. b.: May 12, 1916, Weir, Kan.. Married, two children. Edn.: B.S., Kan. State Tchrs. Coll., Pittsburg, 1941; M.S., N. Y. Univ., 1950. Exp.: Carpenter and Cabinetmaker, 4 yrs.; U.S.N., 1942-45; Instr. of Ind. Arts, Ky. State Coll., 1950-52. Areas of Splty.: Leathercraft; Woodwork; Cabinetmaking; Silversmithing; Suprn. of Ind. Arts Edn.. Avoc. Ints.: Singing.

ANDERSON, R. D. (l.i.), B.S., Assoc. Prof. and Hd., Ind. Arts, S.D. State Coll., Brookings, S.D..

ANDERSON, Stuart A., (l.p.) Asst. Prof. (on leave), The Stout Inst., Menomonie, Wis.. b.: May 17, 1913, Minneapolis, Minn.. Married, two children. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1935; M.Ed., Marquette Univ., Milwaukee, Wis., 1938; Ph.D., Univ. of Wis., Madison, 1948. Exp.: Milwaukee Pub. Schls., Wis., 1935-46; The Stout Inst., Menomonie, Wis., 1946—. Publs.: Assisted with numerous state publs. dealing with ind. arts; Contbd. to "Amer. Voc. Jour."; "The Amer. City"; "Schl. Shop"; "Occupations"; "Jour. of Edn. Research"; "Amer. Schl. Bd. Jour."; "Wis. Jour. of Edn."; "The Schl. Exec."; "I.A.V.E."; "The Nation's Schls."; "The Jour. of Experimental Edn."; "Schl. Activities"; "The Clearing House"; "The Jour. of Edn."; "Edn.". Mem.: A.V.A.; N.E.A.; N.A.I.T.T.; A.A.U.P.; A.I.A.A.; Wis.

Edn. Assn.; Wis. Assoc. of Voc. and Adult Edn.; Wis. Ind. Arts Assn.; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Ind. Edn. Admin.. Avoc. Ints.: Fishing; Reading; Politics.

ANDERSON, W. Carlisle, Instr., Univ. of Minn., Minneapolis, Minn.. b.: Nov. 9, 1913, Ansley, Neb.. Married, one child. Edn.: B.S., State Tchrs. Coll., Kearney, Neb., 1936; M.A., Univ. of Minn., 1942. Exp.: Tchr., Pub. Schls., 11 yrs.; Ind. Arts Tchr. Edn., 4 yrs.. Publs.: Contributed to various magazines. Mem.: N.E.A.; Minn. Edn. Assn.; Minn. Voc. Assn.; Phi Delta Kappa. Areas of Splty.: Student Teaching in Ind. Arts. Travel: U.S.. Avoc. Ints.; Photo..

ANTHONY, Clarence R., Instr., Mont. State Coll., Bozeman, Mont.. b.: Sept. 21, 1906, Revere, Mass.. Married. Edn.: B.S., Mont. State Coll., Bozeman, 1950. Exp.: Instr., T. & I., H. Schl., 8 yrs.; Civ. Instr., U.S.A.A.F., 3 yrs.; Asst. Dir., T. & I., State of Mont., 1½ yrs.; Instr., Mont. State Coll., Bozeman, 1950—. Areas of Splty.: Auto Mechs.; Aircraft Maintenance; Pilot; Welding. Travel: U.S.; Hawaii; Philippines; Japan; China. Avoc. Ints.: Sports; Flying; Survey Work; Farming.

ARMAGAST, Robert M., Asst. Prof. of Ind. Arts, Adams State Coll., Alamosa, Colo.. b.: Aug. 28, 1914, Joliet, Ill.. Married, one child. Edn.: B.S., Univ. of Ala., 1937; M.S., Univ. of Pa., 1941; M.Ed., Univ. of Ill., 1947. Exp.: Pub. Schl. Teaching, 4 yrs.; Ind. Arts Tchr. Edn., 1947—. Mem.: A.I.A.A.; A.C.I.A.T.E.; A.A.U.P.; N.E.A.; Colo. Edn. Assn.; Iota Lambda Sigma; Phi Delta Kappa. Avoc. Ints.: Ornithology; Geology; Music.

ARMSTRONG, Billy J., Asst. Prof., Arlington State Coll., Arlington, Texas. b.: Jan. 9, 1922, Houston, Texas. Married, two children. Edn.: B.S., A. & M. Coll. of Texas, 1947. Exp.: Coll. Tchr., 1947—. Mem.: Texas Voc. Assn.; Amer. Voc. Assn. Areas of Splty.: Woodwork; Plastics.

ARMSTRONG, Fred O., Prof., Ind. Arts, State Tchrs. Coll. of N.J., Trenton, N.J.. b.: June 15, 1898. Married, two children. Edn.: B.S., Ind. State Coll., Terre Haute, Ind., 1922; M.A., Columbia Univ., 1930. Exp.: Tchr., Ind. Arts, Muncie, Ind., 1921-22; Tchr., Ind. Arts, Orange, N.J., 1923-24, 1926-31; State Tchrs. Coll. of N.J., Trenton, N.J., 1931—. Mem.: N.J.V.A.A.; N.J.I.A.A.; A.I.A.A.; Epsilon Pi Tau. Areas of Splty.: Metalwork; Radio; Electricity. Travel: North Amer.; Mexico. Avoc. Ints.: Farming.

ARVIN, Glendon O., Asst. Prof. of Drawing, Bennett Coll., Bradley Univ., Peoria, Ill.. b.: Sept. 25, 1916, LeRoy, Ill.. Married, three

children. Edn.: B.Ed., Ill. State Normal Coll., 1938; M.S., Indiana State Tchrs. Coll., 1947. Exp.: Tchr., Ind. Arts, Pub. Schls., 1938-46; Instr., Indiana State Tchrs. Coll., 1946-47; Asst. Prof., Bradley Univ., 1947—. Mem.: A.A.U.P.; Epsilon Pi Tau; Ill. Voc. Assn.. Areas of Splty.: Wood; Drafting; Printing; Guidance. Avoc. Ints.: Sports; Wood and Leather Work.

ASHBAUGH, N. R., Asst. Prof., Kan. State Tchrs. Coll., Emporia, Kan.. b.: April 6, 1911, Merna, Neb.. Married, three children. Edn.: B.A., Colo. State Coll. of Edn., Greeley, Colo., 1933; M.A., ibid, 1941. Exp.: Elem. Tchr., 1934-35; Tchr., Jr. H. Schl., 1935-37; Tchr., Ind. Arts and Coach, H. Schl., 1937-38; Tchr., Ind. Arts, Jr. H. Schl., 1938-48; Instr., Kan. State Tchrs. Coll., Emporia, Kan., 1948—. Mem.: A.C.I.A.T.E.; Epsilon Pi Tau; Iota Lambda Sigma. Areas of Splty.: Gen. Shop; Printing. Travel: U.S.; Canada; England; France. Avoc. Ints.: Leather Work; Aluminum Spinning and Hammer Shaping; Archery; Cabinet Making.

ASHBROOK, William D., Assoc. Prof. of Ind. Arts, Ill. State Normal Univ., Normal, Ill.. b.: Jan. 17, 1902, Sullivan, Ill.. Married, two children. Edn.: B.Ed., Ill. State Normal Univ., 1931; M.S., Colo. State A. & M. Coll., Fort Collins, Colo., 1937; Ph.D., Univ. of Pittsburg, Pittsburg, Pa., 1943. Exp.: Tchr. Pub. Schls., 1923-27, 1931-46; Lapham-Hickey Steel Co., Chicago, Ill., 1927-29; W. Va. State Coll., Fairmont, 1946-47; Ill. State Normal Univ., 1947—. Mem.: Iota Lambda Sigma; Phi Delta Kappa. Area of Splty.: Ind. Arts. Travel: U.S.; Canada. Avoc. Ints.: Fishing; Bowling; Gardening.

ASPINWALL, Judson, Assoc. Prof. of Ind. Arts, San Jose State Coll., San Jose, Calif.. b.: Feb. 6, 1887, Minn.. Married, one child. Edn.: B.S.E.E., Univ. of Calif., 1911; M.A., Stanford Univ., 1935; Other Grad. Study. Exp.: Stud. Engr., Gen. Electric Co., Schenectady, N.Y., 1911-14; Electrical Testing and Valuation Engrn. Work, San Francisco, 1914-19; Instr., H. Schl., 1920-29; Assoc. Prof., San Jose State Coll., San Jose, Calif., 1929—; Assoc. Engr., Calif. R. R. Commission, 1944-46. Publs.: Electricity for the Ind. Arts Curr. in our Sec. Schls. Mem.: N.E.A.; Amer. Inst. of Elect. Engrs.; Calif. Ind. Edn. Assn.; Calif. Tchrs. Assn.; Epsilon Pi Tau. Area of Splty.: Electricity. Travel: Europe. Avoc. Ints.: Rancher; Fishing.

AUSTIN, Robert T., Instr., Bowling Green State Univ., Bowling Green, Ohio. b.: Nov. 12, 1915, Lima, Ohio. Married, three children. Edn.: B.Ed., Univ. of Toledo, 1938. Exp.: Automotive; Construction; Foundry; Machine Shop; Tchr., H. Schl., 1938-46; Instr., Bowling Green State

Univ., Ohio, 1946—. Mem.: Ohio Edn. Assn.; Ohio Ind. Arts Assn.; Midwestern Ohio Ind. Arts Assn.. Areas of Splty.: Foundry; Welding; Drawing. Travel: U.S.. Avoc. Ints.: Scout Work; Gardening.

AUSTIN, S. W. (l.i.), Instr., Dept. of Ind. Arts, Southern Univ. and Agricultural and Mechanical Coll., Baton Rouge, Louisiana.

BABB, Clarence T., Prof. of Ind. Arts, Colo. State Coll. of Edn., Greeley, Colo.. b.: Oct. 14, 1910, Greeley, Colo.. Married, two children. Edn.: B.A., Colo. State Coll. of Edn., 1931; M.A., ibid, 1932; Ed.D., Pa. State Coll., 1950. Exp.: Instr., Ind. Arts, Delta Pub. Schls., Delta, Colo., 1932-35; Instr., Ind. Arts, Kamehameha Schls., Honolulu, T.H., 1937-38; Instr., Ind. Arts, Colo. State Coll. of Edn., 1935-37, 1938-42, 1943-44, 1946—; Draftsman, A.A.C., 1944-45. Publs.: The Binding of Books, co-author. Mem.: A.I.A.A.; A.C.I.A.T.E.; A.V.A.; Phi Delta Kappa; Kappa Delta Pi; Delta Phi Delta; Nat. Assn. of Ind. Tchr. Educators, V. Pres., 1951. Areas of Splty.: Wood; Metal; Draft.; Bookbinding. Travel: Honolulu, T. H.. Avoc. Ints.: Photo.; Fishing; Hunting.

BAILEY, Arthur P., Assoc. Prof. of Ind Arts, Univ. of N.M., Albuquerque, N.M.. b.: Nov. 18, 1899, Carey, Ohio. Married, two children. Edn.: B.S., James Millikin Univ., Decatur, Ill.; M.S., Ia. State Coll., Ames. Exp.: Pract. Exp. in Industry, 12 yrs.; Tchr., Voc. H. Schls., 11 yrs.; Assoc. Prof. of Ind. Arts, Univ. of N.M., Albuquerque, 1944—. Mem.: N.E.A.; A.I.A.A.; N.M. Edn. Assn.; A.S.E.E.; I.A.T.E.. Areas of Splty.: Wood; Metal.

BAILEY, Athol R., Asst. Prof. of Ind. Edn., Univ. of Wash., Seattle, Wash.. b.: June 23, 1911, Wichita, Kan.. Married, one child. Edn.: B.S., Kan. State Tchrs. Coll., Pittsburg, 1931; M.A., Univ. of Mo., 1936; Ed.D., ibid, 1949. Exp.: Ind. Arts Tchr., Pub. Schls., 1931-41; Ill. State Bd. for Voc. Edn., 1941-42; U.S.N.A.T.T.C.; 1942-43; Benson Poly. Schl., Portland, Ore., 1943-44; Prin., Portland Apprentice Schl., Portland, Ore., 1944-47; Instr., Univ. of Mo., 1947-49; Univ. of Wash., 1949—. Mem.: A.V.A.; A.I.A.A.; N.A.I.T.T.; Wash. Voc. Assn.; Wash. Ind. Arts Assn.; Phi Delta Kappa; Kappa Delta Pi. Areas of Splty.: Drawing; Woodwork; Gen. Shop. Avoc. Ints.: Home Movies; Leatherwork.

BAILEY, C. H. (l.i.), Prof. Emeritus, Dept. of Ind. Arts, Iowa State Tchrs. Coll., Cedar Falls, Iowa.

BAILEY, James H., Jr., Asst. Prof., Cent. Mich. Coll. of Edn., Mt. Pleasant, Mich.. b.: May 31, 1917, Nashville, Tenn.. Married, two children. Edn.: B.S., Peabody Coll., Nashville, Tenn., 1939; M.A.,

ibid, 1946; Work. on Doctorate. Exp.: Phy. Edn. Dir., Parmer Jr. H. Schl., Belle Meade, Tenn., 1939-40; Coach and Science Tchr., Meek H. Schl., Arley, Ala., 1940-41; Coach, Shop Tchr., Du Pont Grammar Schl., Old Hickory, Tenn., 1940-41; Coach, Ind. Arts Tchr., Umatilla H. Schl., Umatilla, Fla., 1941-42; U.S.N., 1942-46; Ind. Arts Tchr., Norview H. Schl., Norfolk, Va., 1946-47; Cent. Mich. Coll. of Edn., Mt. Pleasant, Mich., 1947—. Mem.: N.A.I.T.T.; Mich. Ind. Edn. Society. Areas of Splty.: Drawing; Arts and Crafts. Travel: N. Africa; Hawaii; Guam; Philippine Is.; Iwo Jima; Eniwetok.

BAILEY, R. E., Instr., Prairie View Agri. and Mech. Coll., Prairie View, Texas. b.: Feb. 16, 1904, Yoakum, Texas. Edn.: Certif. In Shoe Making. Prairie View A. & M. Coll. Exp.: 24 yrs. in Industry; Prairie View A. & M. Coll., 1943—. Area of Splty.: Shoe Making.

BAKER, L. G. (l.i.), M.A., Instr., Dept. of Ind. Edn., The Agricultural and Technical Coll. of N.C., Greensboro, N.C..

BAKER, W. K. (l.i.), B.S., Instr., Dept. of Ind. Edn. and Ind. Management, Va. State Coll., Petersburg, Va..

BAKKE, W., (l.i.), M.S., Asst. Prof., Dept. of Ind. Arts, Central Wash. Coll. of Edn., Ellensburg, Washington.

BALL, Charles E., Instr. in Edn., N. Y. Univ., Wash. Square, N.Y.C.. b.: Dec. 18, 1917, Peekskill, N.Y.. Married, two children. Edn.: B.S., N.Y.S. Coll. for Tchrs. at Buffalo, 1941; M.A., N.Y. Univ., 1949. Exp.: N.Y. Univ., 1948—. Mem.: A.V.A.; N.Y.S.V.P.A.A.; Epsilon Pi Tau. Area of Splty.: Ind. Arts Edn.. Avoc. Ints.: Photo; Church-Work.

BALLARD, C. P. (l.i.), Instr., Dept. of Shop Practice, Kansas State Coll., Manhattan, Kansas.

BARBEE, Clyde, Instr., Cameron State Agri. Coll., Lawton, Okla.. b.: Jan. 16, 1906, Lawton, Okla.. Married, one child. Edn.: Ext. Courses in Math. and Blueprint Reading. Exp.: Machine Shop Operator, 1930-47; Instr., Machine Tool Work, Cameron State Agri. Coll., 1947—.

BARICH, Dewey F., Manager, Ind. Arts Awards, Ford Motor Co., Dearborn, Mich., 1951—, formerly. Prof. and Head, Dept. of Ind. Arts, Kent State Univ., Kent, Ohio. b.: Feb. 19, 1911, Hibbing, Minn.. Married, 3 children. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1933; M.A., Univ. of Mich., 1939. Exp.: Instr. and Head, Ind. Arts, Longfellow Jr. H. Schl., Flint, Mich., 1933-38; Instr., Metal Trades, Trenton, Mich., 1938-39; Instr., Ind. Arts, Cent. Mich. Coll. of Edn., 1939-40; Supv. of Voc. Training, State of Mich., 1940-42; Head, Dept. of Ind. Arts, Kent State Univ., Kent, Ohio, 1942—. Publs.: Applied Drawing and Sketch-

ing, 1949; Contbd. to "I.A.V.E.", "Shopcraft", and "Schl. Shop Safety News Letter". Mem.: N.A.I.T.T., Pres., 1951; A.V.A.; A.I.A.A.; N.E.A.; Ohio Ind. Arts Assn., Past Pres., 1948-49; Ohio Edn. Assn.; Rotary International; Amer. Legion; Miss. Valley Ind. Arts Conf.; Epsilon Pi Tau, Laureate Award; Phi Delta Kappa. Area of Splty.: Metals. Travel: U.S.; S. Pacific. Avoc. Ints.: Silversmithing.

BARNARD, David P., Asst. Prof., The Stout Inst., Menomonie, Wis.. b.: April 30, 1922, Bethlehem, Pa.. Married, two children. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1946; M.S., ibid, 1947; Grad. Study, Indiana Univ.. Exp.: Navy Dept. Rep., Nash-Kelvinator Corp., Milwaukee, Wis., 1942-46; The Stout Inst., Menomonie, Wis., 1947—. Publs.: Contbd. to "I.A.V.E."; "Schl. Shop"; "Educational Screen"; "Amer. Voc. Jour.". Mem.: A.V.A.; N.E.A.; A.A.U.P.; Wis. Dept. of Audio-Visual Instruction, Northwestern Regional Chair.; Wis. Edn. Assn.; Northwestern Wis. Tchrs. Assn.; Educational Film Library Assn.; Epsilon Pi Tau. Areas of Splty.: Audio-Visual Edn.; Graphic Arts; Photo.. Travel: U.S.. Avoc. Ints.: Fishing.

BARNES, Carl B., Asst. Prof., Western Ky. State Coll., Bowling Green, Ky.. b.: Dec. 1, 1891, Prentiss, Ky.. Married, one child. Edn.: B.A., Western Ky. State Coll., Bowling Green, 1925; M.A., Colo. State Coll. of Edn., Greeley, Colo.. Exp.: Ind. Arts Tchr., H. Schl., Greenville, S.C., 1925-26; Ind. Arts Tchr., H. Schl., Selma, Ala., 1927-28; Western Ky. State Coll., Bowling Green, 1929—. Mem.: A.I.A.A.; Ind. Arts Div. of the Ky. Edn. Assn.; Ky. Edn. Assn.. Areas of Splty.: Mech. Drawing; Leather; Metal. Travel: England; France; U.S..

BARNES, David C., Instr. of Ind. Arts, East. Ky. State Coll., Richmond, Ky.. b.: Aug. 21, 1920, Quitman, Ga.. Married, two children. Edn.: B.S., East. Ky. State Coll., 1943; M.S., Purdue Univ., 1946. Exp.: Instr., Gen. Eng. Dept., Purdue Univ., 1946-47; Instr., Ind. Arts, East. Ky. State Coll., 1947—. Mem.: A.I.A.A.; A.V.A., Tchr. Trainer Div.. Areas of Splty.: Gen. Shop; Carpentry; Woodwork.

BARNETT, I. (l.i.), Instr., Dept. of Ind. Edn., The Agricultural and Technical Coll. of N.C., Greensboro, N.C..

BARNETT, Otho L., Head, Div. of Pract. Arts, N.E. Mo. State Tchrs. Coll., Kirksville, Mo.. b.: July 9, 1905, LaPlata, Mo.. Married, two children. Edn.: B.S., N.E. Mo. State Tchrs. Coll., Kirksville, 1928; M.Ed., Univ. of Mo., Columbia, 1938, Exp.: Tchr. Edn., 11 yrs.; Pub. Schl. Teaching, 14 yrs.. Mem.: A.V.A.; A.I.A.A.; N.A.I.T.T.; Mo. Ind. Edn. Assn., Pres., 1952. Area of Splty.: Drafting. Avoc. Ints.: Sports; Outdoor Life.

BARNHART, Elbert L., Prof., Head., Ind. Arts Dept., Kan. State Tchrs. Coll., Emporia, Kan.. b.: July 12, 1914, Menomonie, Wis.. Married, two children. Edn.: B.S., The Stout Inst., Menomonie, Wis.. 1934; M.S., ibid, 1940. Exp.: Instr., Auto Mechs., H. Schl., Charleston, W. Va., 1934-36, Teaneck, N.J., 1936-40; Instr., Gen. Shop, H. Schl., Teaneck, N.J., 1940-42; Supv., Wright Aero. Corp., Paterson, N.J., 1942-47; Head, Ind. Arts Dept., Kan. State Tchrs. Coll., Emporia, Kan., 1947—. Mem.: A.V.A.; K.V.A.; A.I.A.A.; A.C.I.A.T.E.; N.E.A.; K.I.E.A.; Epsilon Pi Tau, Trustee Alpha Epsilon Chapt., 1949—. Areas of Splty.: Gen. Woodwork; Gen. Metalwork; Automotive; Electricity. Avoc. Ints.: Photo.; Gardening; Const. of Home Furnishings.

BARRICK, Harry T., Asst. Prof., Indiana State Tchrs. Coll., Terre Haute, Ind.. b.: Mar. 29, 1912, Clay County, Ind.. Married, two children. Edn.: B.S., Indiana State Tchrs. Coll., Terre Haute, 1933; M.S., Indiana Univ., 1940. Exp.: Tchr., H. Schl.; 1936-41, 1945-46; Foreman, Mach. Shop, 1941-45; Tchr., Coll., 1946—. Mem.: Indiana Ind. Edn. Assn.; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Mach. Shop; Drawing; Sheet Metal.

BARROW, T. W., (l.p.) Assoc. Prof. of Ind. Edn., Sul Ross State Coll., Alpine, Tex.. b.: Feb. 7, 1916, Hico, Tex.. Married, two children. Edn.: B.S., Sul Ross State Coll., Alpine, Tex., 1946; M.A., ibid, 1948. Exp.: Sul Ross State Coll., Alpine, Tex., 1946—. Areas of Splty.: Leather Work; Woodwork; Mach. Shop; Photo.; Farm Shop. Travel: U.S.; Mexico; Pacific Islands.

BARTON, Roger L., Asst. Prof., Texas Agri. and Mech. Coll., Coll. Station, Texas. b.: June 3, 1919, Temple, Texas. Married, one child. Edn.: B.S., Texas A & M Coll., 1942; M.Ed., ibid, 1950. Exp.: Texas A & M Coll., 1942—; Research Consultant, Inst. of Air Age Activities in Cooperation with Texas A. & M. Coll., 1946-48. Publs.: Basic Models for Technical Drawing, 1948; Contributed to "Model Industry Assn. Journal". Mem.: A.I.A.A.; A.V.A.; N.A.I.T.T.; Academy of Model Aeronautics, V. Pres.; Tex. State Tchrs. Assn. Areas of Splty.: Drafting; Handcrafts; Ind. Arts Design; Methods of Teaching; Voc. Guidance. Avoc. Ints.: Model Airplane Designing and Construction; Photo.

BATESON, Robert E., Asst. Prof. of Voc. Edn., Tchrs. Coll. of Conn., New Britain, Conn.. b.: June 10, 1901, Hopeorle, Mass.. Married, two children. Edn.: B.S. in Mech. Engring., Worcester Poly. Inst., 1924; B.S., Tchrs. Coll. of Conn., 1942; M.A., New York Univ., 1946; Course Work Completed for Ed.D.. Exp.: Six yrs. in Ind. as Mech. Engr.; Twelve yrs., Tchr. and Dept. Hd., The Technical Schl., New Britain,

Conn.; One yr., State Supv., Fed. T. & I. Prog.; Seven yrs., Instr. Voc. Edn., Tchrs. Coll. of Conn.. Mem.: Phi Delta Kappa; Epsilon Pi Tau; A.V.A.; N.E.A.; Conn. Ind. Arts Assn.; State of Conn. Profsnl. Engrs. Society, Reg.; A.A.U.P.. Area of Splty.: Voc. Edn.. Travel: England; Bermuda; U.S.. Avoc. Ints.: Piano, Professional.

BAUER, Arthur W., Asst. Prof., Ind. Arts Edn., Miami Univ., Oxford, Ohio. b.: Oct. 12, 1905, Martel, Ohio. Married, two children. Edn.: B.S., Miami Univ., Oxford, Ohio, 1928; M.A., Columbia Univ., 1932. Exp.: Tchr., Ind. Arts; Barberton H. Schl., 1928-30; Greensburd H. Schl., 1930-38; State Tchrs. Coll., Calif., Pa., 1938-42; Miami Univ., Oxford, Ohio, 1942—. Publs.: Article, Why Wood Filler is Used, "I.A.V.E.". Mem.: O.E.A.; Iota Lambda Sigma; Epsilon Pi Tau; Phi Delta Kappa; Kappa Phi Kappa. Area of Splty.: Ind. Arts Edn.. Avoc. Ints. Cabinet Making.

BAUER, Carlton E., Instr. in Edn., N.Y. Univ., Wash. Square, N.Y.C.. b.: Sept. 20, 1911, Port Wash., N.Y.. Married. Edn.: B.S., N.Y. Univ., N.Y.C., 1935; M.A., ibid, 1936. Exp.: Jr. Coll. of Bergen County, 1936-40; Instr., N.Y. Univ., 1940—, on leave to U. S. Army, 1942-46. Mem.: N.Y.S.P.V.A.A.; A.V.A.; Kappa Delta Pi; A.C.I.A.T.E.. Areas of Splty.: Mech. Drawing; Art; Design; Woodcraft. Travel: U.S.; Germany; Austria; France; Switzerland; Mexico; Canada. Avoc. Ints.: Photo.; Woodcraft; Sailing.

BAXTER, Earnest W., Assoc. Prof., Kan. State Tchrs. Coll., Pittsburg, Kan.. b.: Dec. 31, 1890, Arkansas City, Kan.. Married, two children. Edn.: B.S., Kan. State Tchrs. Coll., Pittsburg, 1923; M.S., Iowa State Coll., Ames, 1931. Exp.: Const., Carpentry, and Mech. Maintenance, 1907-14; Tchr., Ind. Arts, 1912-14; Head, Ind. Arts, H. Schl., Parsons, Kan., 1914-21; Prof., Kan. State Tchrs. Coll., Pittsburg, 1921—; Engrn. Insp., Pratt and Whitney Aircraft, 1942-45. Publs.: Mech. Drawing Performance Tests; Articles for "I.A.V.E.". Mem.: N.E.A.; A.V.A.; Kan. State Tchrs. Assn.; Kan. Ind. Arts Assn.; Epsilon Pi Tau; Phi Kappa Phi; Psi Chi. Areas of Splty.: Pract. Arts and Sciences; Metal. Avoc. Ints.: Arts and Sciences in their applications to our domestic life; Ind. Arts in the core curriculum of general education.

BAYSINGER, Gerald, Asst. Prof., Wayne Univ., Detroit, Mich.. b.: Sept. 26, 1904, Minatoca, Neb.. Married, three children. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1928; M.A., Univ. of Detroit; Other Grad. Study. Exp.: Tchr., Detroit Pub. Schls., 1925-47; Wayne Univ., Detroit, Mich., 1947—; Craft Dir., Fisher Branch of the Detroit

Y.M.C.A., 1930-40; Editorial Dept., The Jam Handy Organization, Detroit, Mich., 1941-46. Publs.: Schl. Woodworking Projects; Safe Practices in Metalworking, Co-author. Mem.: A.C.I.A.T.E., Sectry., 1950-52 – Pres., 1952—; Epsilon Pi Tau, Trustee; Mu Sigma Pi, Past Pres., Past Sectry.. Areas of Splty.: Ind. Arts; Math.; Education. Travel: United States. Avoc. Ints.: Handicrafts.

BECKER, P., Jr., (l.i.), M.S., Prof., Ind. Arts Edn., Bradley Univ., Peoria, Illinois.

BEHLEN, Freida J., Assoc. Prof., N.Y. Univ., Wash. Square, N.Y.C.. b.: May 16, 1910, Staten Island, N.Y.. Edn.: M.A., N.Y. Univ., 1946. Exp.: Occup. Therapist, N.Y. Hosp., N.Y.C., 1935, N.Y. Neurological Inst., N.Y.C., 1936, Kings County Hosp., N.Y.C., 1936-42; Curr. Dir. of Occup. Therapy, N.Y. Univ., 1942—. Mem.: N.E.A.; A.O.T.A., Schls. and Curr.; N.Y.O.T.A., Chair., prog. com., 1950-51. Area of Splty.: Admin. and Supvn.. Travel: Europe; U.S.; Canada; South Amer.; Norway; Sweden; Denmark; Mexico. Avoc. Ints.: Photo.; Skiing; Music; Theater.

BELL, Marvin R., Instr., Ind. State Tchrs. Coll., Terre Haute, Ind.. b.: June 18, 1907, Terre Haute, Ind.. Married, one child. Edn.: B.S., Ind. State Tchrs. Coll., Terre Haute, 1941; M.S., ibid, 1946. Exp.: Tchr., H. Schl., 1941-43; Instr., Ind. State Tchrs. Coll., Terre Haute, 1943—; Painting and Decorating, 1924-39. Mem.: Indiana Ind. Edn. Assn.; Indiana Edn. Assn.; Indiana Academy of Science; Epsilon Pi Tau; Phi Delta Kappa. Areas of Splty.: Drawing; Wood; Electricity. Travel: U.S.. Avoc. Ints.: Biological Studies; Wood; Const.; Shortwave Radio.

BELL, Willie J., Instr., Prairie View Agri. and Mech. Coll., Prairie View, Texas. b.: Aug. 9, 1924, Smithville, Texas. Married. Edn.: Certif. in Printing, Prairie View A. & M. Coll., 1947. Exp.: Linotype Operator, 1947-48; Prairie View A. & M. Coll., 1949—. Mem.: Mech. Arts Club. Area of Splty.: Printing. Travel: U.S. Avoc. Ints.: Reading; Automobiles.

BELMAN, Harry S., Assoc. Prof. and Chair., Trade and Ind. Edn., Purdue Univ., W. Lafayette, Indiana. b.: Nov. 6, 1895, Milwaukee, Wis.. Married, two children. Edn.: B.A., Univ. of Wis., 1923; M.A., ibid, 1933. Exp.: U.S. Army, 1917-19; Labor Statistician, 1920-24; Research Asst. and Tchr., Milwaukee Voc. Schl., 1924-35; Dir. of Voc. and Adult Edn., West Allis, Wis., 1935-41; Supv., War Production Training, Wis. State Bd. of Voc. and Adult Edn., 1941-43; Chief of Training, War Manpower Com., Region VI, 1943-45; Sr. Train. Off., Vet. Admin.,

Wis., 1946-47; Assoc. Prof. and Chair., T. & I. Edn., Purdue Univ., 1947—; Metal Trades, 5 yrs.. Publs.: My Life Work, co-author, 1931; Contbd. to the following mags.: "I.A.V.E.", "Nation's Schools". Mem.: A.V.A.; N.A.I.T.T.; N.V.G.A.; Amer. Soc. of Training Directors; Ind. Training Assn. of Indiana; Indiana Ind. Edn. Assn.; Indiana Voc. Assn.; Phi Delta Kappa; Iota Lambda Sigma. Areas of Splty.: Training in Ind.; Philosophy and Principles of Ind. Edn.; Admin. in Voc. Edn. and Ind. Arts; Trade and Occup. Analysis. Travel: U.S.; Canada; Europe.

BENGTSON, Leroy H., Asst. Prof., Ind. Arts Edn., Okla. A. & M. Coll., Stillwater, Okla.. b.: July 28, 1903, Hillsdale, Okla.. Married, one child. Edn.: B.S., Cent. State Coll., Edmond, Okla., 1936; M.S., Okla. A. & M. Coll., 1949. Exp.: Prin., Tchr., Sumner, Okla., 1923-25; Prin., Tchr., Mound Valley Schl., Hominy, Okla., 1925-29; Tchr., Ind. Arts, Capitol Hill Jr. H. Schl., Okla. City, Okla., 1929-41; Supv., Voc. Edn. for Nat. Def., Okla. City, Okla., 1941-42; Tchr., Ind. Arts, Cent. H. Schl., Okla. City, Okla., 1942-47; Prin., Publ Night Schl., Okla. City, Okla., 1945-47; Asst. Prof., Ind. Arts Edn., Supt. of Cabinet Shop, Okla. A. & M. Coll., 1947—. Mem.: Phi Delta Kappa; Iota Lambda Sigma; A.I.A.A.; A.V.A.; A.C.I.A.T.E.; Okla. I.A.A.; Okla. Voc. Assn.. Areas of Splty.: Cabinet Making; Finishing; Carpentry. Avoc. Ints.: Boat Bldg.; Gardening.

BENSON, Kenneth R., Instr. in Edn., N.Y. Univ., Wash. Square, N.Y.C.. b.: Sept. 24, 1918, Bklyn., N.Y.. Edn.: B.S., N.Y. Univ., 1941; M.A., N.Y. Univ., 1948. Exp.: Arts and Crafts, various summer camps, 1936-41; Asst. Senior Instr., U.S.A.A.F.T.T.C., 1941-44; Chief Insp., U.S.A.A.F., 1944-46; Inst., N.Y. Univ., 1946—; Crafts advisor; N.Y.S.T. School for Boys, 1949-50, Assoc. Churches of the Brethren, 1950. Mem.: N.Y.S.V.P.A.A.; N.E.A.; Nat. Com. on Arts and Crafts, Boys Clubs of America advisor. Areas of Splty.: Ind. Edn., Arts and Crafts. Travel: United States; Canada; Mexico; Japan and other Pacific Islands. Avoc. Ints.: Advisement Services; lectures and demonstrations; boat building.

BENSON, Willard A., Instr., Southern Ill. Univ., Carbondale, Ill.. b.: Mar. 31, 1920, Pontiac, Mich.. Married, two children. Edn.: B.S., The Stout Inst., 1948; M.S., ibid, 1949; Other Grad. Study. Exp.: U.S.N., 1943-45; Teaching Asst., The Stout Inst., 1947-49; Instr. in Ind. Edn., Southern Ill. Univ., 1949—. Mem.: A.A.U.P.; Epsilon Pi Tau; Sigma Pi Sigma. Areas of Splty.: Mach. Shop; Mach. Draw.; Welding. Travel: Mexico; Canada; China; Australia. Avoc. Ints.: Outdoor Activities.

BERGENGREN, Roy F., Jr., Asst. Prof. of Ind. Arts and Voc. Ed., Univ. of Fla., Gainesville, Fla. b.: Feb. 23, 1915, Lynn, Mass. Mar-

ried, two children. Edn.: B.A., Dartmouth Coll., 1936; M.A.E., Univ. of Fla., 1949, Ed.D., ibid, 1953. Exp.: Editor, "The Bridge", Madison, Wis., 1936-39; Journalist, "The State Jour.", 1939-41; U.S.A.A.F., Controller, 1941-46, Major, 1946; Personnel Mgt., Ohio Farm Bureau, 1946; D.C.T. Coordinator, Manatee County H. Schl., Bradenton, Fla., 1947-48; Univ. of Fla., 1949—. Publs.: Contbd. to: "The Schl.Director", "Fla. Edn. Jour."; Editor, F.I.A.A., 1950; co-editor, Who's Who in Ind. Arts Tchr. Edn., 1953. Mem.: A.I.A.A.; A.C.I.A.T.E.; Fla. Edn. Assn.; Fla. Ind. Arts Assn.; Phi Kappa Phi; Epsilon Pi Tau; Phi Delta Kappa. Areas of Splty.: Crafts; Metals. Travel: Europe; Africa; Canada; Cuba; Mexico; U.S.. Avoc. Ints.: Boating; Golf; Swimming; Travel; Current Affairs; Building.

BERGSTROM, Robert E., Instr., (Acting Head, 1951) Univ. of N.D., Grand Forks, N.D.. b.: April 28, 1922, Minneapolis, Minn.. Married, one child. Edn.: B.S., State Tchrs. Coll., St. Cloud, Minn., 1950. Exp.: Univ. of N.D., Grand Forks, N.D., 1950—. Publs.: Article, Plastic Candle Holders, accepted Jan., 1951, by "I.A.V.E.". Mem.: Chi Sigma Chi, Past Pres.. Areas of Splty.: Plastics; Woods; Metals; Graphic Arts. Travel: U.S.; India; Burma; Africa. Avoc. Ints.: Plastics; Pub. Speaking; Cabinetmaking; Oil Painting; Leather Carving.

BERNARD, Charles A., Jr., Asst. Prof., Southwestern La. Inst., Lafayette, La.. b.: Aug. 7, 1918, St. Martinville, La.. Married, three children. Edn.: B.A., Southwestern La. Inst., Lafayette, 1946; M.S., La. State Univ., 1950. Exp.: Tchr., Elem. Schl., 1938-42; U. S. Army, 1942-45; Tchr., Ind. Arts, H. Schl., 1946-48; Southwestern La. Inst., Lafayette, 1949—. Mem.: La. Edn. Assn.; N.E.A.; Nat. Congress of Parents and Tchrs.; Phi Delta Kappa. Areas of Splty.: Ind. Arts Tchr. Training; Elem. Edn.. Travel: Canada; Mexico; Scotland; England; France; Germany. Avoc. Ints.: Photo.; Gardening; Scouting.

BERRY, John W., Instr., E. Tex. State Tchrs. Coll., Commerce, Tex.. b.: Feb. 23, 1909, McKinney, Tex.. Married. Edn.: B.S., E. Tex. State Tchrs. Coll., Commerce, 1948; M.S., ibid, 1950. Exp.: Machinist and Mechanic, 1926-40; Instr., Mechs. in Army Schls., 1940-43; E. Tex. State Tchrs. Coll., Commerce, 1946-48, 1950—; Tchr., Voc. Schl., 1949. Mem.: Tex. State Tchrs. Assn.; Tex. Voc. Assn.; Coll. Classroom Tchrs. Assn.; E. Tex. Ind. Arts Assn.. Areas of Splty.: Metalwork; Welding. Travel: U.S.; Canal Zone; Canada; Mexico; England; France; Germany; Belgium. Avoc. Ints.: Fishing; Metalwork.

BETTERLEY, Ralph E., Asst. Prof., The Stout Inst., Menomonie, Wis.. b.: Nov. 10, 1912, Medford, Ore.. Married, two children. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1935; M.S., ibid, 1947. Exp.:

Welding and Gen. Repair Work, 1932-35; Tchr., Ind. Arts, Pub. Schls., Okla. City, Okla., 1935-40; Tchr., Ind. Arts, Pub. Schls., Kan. City, Kan., 1940-42; Instr., Aircraft Welding, Navy Dept., Chicago, Ill., 1942-44; Officer, U.S.N.R., 1944-46; Instr., Ind. Edn., The Stout Inst., Menomonie, Wis., 1946—. Mem.: A.A.U.P.; N.E.A.; A.V.A.; Wis. Edn. Assn., Treas., Stout Local; Epsilon Pi Tau. Areas of Splty.: Metalwork; Welding. Travel: British Isles; Europe. Avoc. Ints.: Music, Vocal and Instrumental; Trout Fishing.

BETTINA, Albert A., Instr., Eastern New Mexico Univ., Portales, N.M.. b.: Sept. 12, 1921, DeKalb, Ill.. Married. Edn.: B.E., Northern Ill. State Tchrs. Coll., DeKalb, 1943; M.A., Colo. State Coll. of Edn., Greeley, 1948; Other Grad. Work. Exp.: Shop Instr., H. Schl., Granville, Ill., 1946-47; Shop Instr., Eastern N.M. Univ., Portales, 1948—. Mem.: Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Woods; Profnl. Courses. Avoc. Ints.: Athletics.

BEUKEMA, Henry J., Asst. Prof. of Ind. Edn., Western Mich. Coll. of Edn., Kalamazoo, Mich.. b.: Feb. 21, 1915, Grand Haven, Mich.. Married, two children. Edn.: B.S., Western Mich. Coll. of Edn., Kalamazoo, 1941; M.A., Univ. of Mich., 1948. Exp.: Tchr., H. Schl., 1941-43; Western Mich. Coll. of Edn., Kalamazoo, 1946—; Chief Draftsman, Camfield Mfg. Co., Grand Haven, Mich., 1945-46; Engr., Conveyor Div., Hapman-Dutton Co., Kalamazoo, Mich., 1950—. Mem.: Mich. Ind. Edn. Soc., Dir., Dist. Chair., Region 8 of Mich.; Mich. Edn. Assn., Dist. Chair., Ind. Edn. Div.; Kappa Delta Pi; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Drawing; Design. Avoc. Ints.: Hunting; Fishing; Photo.; Woodwork.

BICKNELL, William C., Prof. and Chair., Dept. of Ind. Edn., Southern Ill. Univ., Carbondale, Ill.. b.: Dec. 12, 1902, Bailey, Texas. Married, two children. Edn.: B.S., N. Texas State Tchrs. Coll., 1924; M.A., Univ. of Mo., 1933; Ed.D., ibid, 1942. Exp.: Tchr., Pub. Schls., 13 yrs.; Neb. State Tchrs. Coll., 1934-37; Dir., Ind. Arts, Univ. of Mo. Lab. Schl., 1937-42; Pratt and Whitney Aircraft Corp., 1943-45; Prof. and Chair., Dept. of Ind. Edn., Southern Ill. Univ., 1946—. Publs.: Contributed to various publications. Mem.: A.C.I.A.T.E.; A.V.A.; A.I.A.A.; N.A.I.T.T.; Ill. Ind. Edn. Assn.; Business Men's Assn.; Miss. Valley Ind. Arts Conf.; Phi Delta Kappa; Sigma Pi Sigma; Mason; De Molay. Areas of Splty.: Drafting; Design. Travel: U.S.; Canada; Mexico. Avoc. Ints.: Community Service; Church Work.

BIGNELL, James F., Prof. and Hd. of Dept., Univ. of Tampa, Tampa, Fla.. b.: 1906, Cedar Bluffs, Neb.. Married, one child. Edn.: B.S., Midland Coll., 1932; M.A., Neb. State Univ., 1936. Exp.: Pub. Schl.

Tchr. and Administrator, 1926-41; Ind. Arts Tchr. Edn., 1941—. Publs.: Hand Tools (Written in the Portuguese Language).

BING, Kenneth L., Dir. of Ind. Arts, E. Carolina Tchrs. Coll., Greenville, N.C.. b.: Feb. 26, 1902, Mt. Vernon, Ia.. Married, one child. Edn.: B.A., Neb. Wesleyan Univ., 1924; M.A., Univ. of Minn., 1933; Ed.D., Univ. of Mo., 1941. Exp.: Tchr., Pub. Schls. of Neb., N.C., Minn., and Indiana, 1924-37; Assoc. Prof. of Ind. Arts, Ga. Tchrs. Coll., 1937-39; Prof. and Head, Dept. of Ind. Arts, S.E. Mo. State Coll., 1940-49; Dir., Ind. Arts, E. Carolina Tchrs. Coll., 1949—. Mem.: A.V.A.; A.I.A.A.; A.C.I.A.T.E.; N.A.I.T.T., V. Pres., 1950; A.A.U.P.; N.E.A.; Miss. Valley Ind. Arts Conf.; N.C. Voc. Assn.; N.C. Ind. Arts Assn.; N.C. Edn. Assn.; Phi Delta Kappa. Areas of Splty.: Woodwork; Gen. Shop; Profnl.. Avoc. Ints.: Reading; Gardening.

BISHOP, Ralph T., Prof. of Ind. Arts, Colo. State Coll. of Edn., Greeley Colo.. b.: Sept. 16, 1890, Canton, Ill.. Married, two children. Edn.: Diploma, West. Ill. State Norm. Schl., 1911; B.A., Colo. State Coll. of Edn., 1925; M.A., Stanford Univ., 1928. Exp.: Instr. of Print., West. Ill. State Norm. Schl., 1911-13; Instr. of Print., Edmonton Tech. Schl., Edmonton, Alberta, Canada, 1913-17; Instr. of Print., Colo. State Coll. of Edn., 1917—. Mem.: Colo. Edn. Assn.; Phi Delta Kappa; Amer. Inst. of Graphic Arts. Area of Splty.: Ind. and Graphic Arts. Travel: U.S.; Canada. Avoc. Ints.: Collecting Fine Editions of Books; Gardening; Hybridizing of Plants.

BJERG, H. O. (l.i.), B.A., Assoc. Prof., Dept. of Ind. Arts and Ind. Edn., Ariz. State Coll., Flagstaff, Arizona.

BJORNSTAD, Lloyd B., Asst. Prof. of Ind. Arts Edn., State Tchrs. Coll., Mankato, Minn.. b.: Oct. 2, 1901, Ellendale, N. D.. Married. Edn.: B.S., Univ. of N. D., 1926; M.A., Univ. of Minn., 1931. Exp.: Ind. Arts Tchr., Pub. Schls., 1926-42; U.S. Army Air Corps, 1943-46; Asst. Prof., State Tchrs. Coll., Mankato, Minn., 1947—. Mem.: A.V.A.; Phi Delta Kappa; Epsilon Pi Tau.

BLACK, Charles E., Instr., Pacific Union Coll., Angwin, Calif. b.: Feb. 4, 1924, Pitsford, Mich.. Married, one child. Edn.: B.A., Pacific Union Coll., 1948; Grad. Work. Exp.: Printing Pressman, 1939-48; Lithographing and Engraving, 1948—. Area of Splty.: Lithography. Avoc. Ints.: Photo.; Building.

BLACK, J. G., Jr., (l.i.), M.S., Asst. Prof., Ind. Arts Dept., Morehead State Coll., Morehead, Kentucky.

BLACK, Ralph R., Asst. Prof., Eastern N.M. Univ., Portales, N.M.

b.: June 24, 1910, Stafford, Kan. Married, three children. Edn.: B.A., Eastern N.M. Univ., 1942; M.A., Colo. State Coll. of Edn., 1948; Other Grad. Study. Exp.: Trade Exp. in Printing, 1928-38; Eastern N.M. Univ., 1938—. Mem.: A.A.U.P.; N.M. Edn. Assn. Areas of Splty.: Printing; Bookbinding. Travel: Canada. Avoc. Ints.: Sports; Music; Reading; Home Workshop; Travel.

BLACKBURN, Samuel Alfred, Prof., Dir. of Ind. Arts Dept., N. Tex. State Coll., Denton, Tex.. b.: Aug. 8, 1885, Edwardsville, Ill.. Married, two children. Edn.: Diploma, Ill. State Norm. Univ., Normal, 1908; Diploma, Bradley Polytechnic Inst., Peoria, Ill., 1911; B.Ed., Ill. State Norm. Univ., Normal, 1917; M.A., Austin Coll., Sherman, Tex., 1925; Ph.D., Univ. of Tex., Austin, 1930. Exp.: Rural Schl., Lebanon, Ill., 1906-07; Murphyston Twp. H. Schl., Murphyston, Ill., 1908-10; Spring Valley Assoc. Schls., Spring Valley, Minn., 1911-14; Oak Cliff H. Schl., Dallas, Tex., 1914-16; N. Tex. State Coll., Denton, 1917—. Publs.: Problems in Farm Woodwork; Boy Activity Projects. Mem.: N.A.I.T.T.; A.V.A.; T.I.A.A.; Coll. Classroom Tchrs. Assn.; Tex. Voc. Assn.; Tex. State Tchrs. Assn.; Phi Delta Kappa. Areas of Splty.: Woodwork; Drafting; Profnl. Subj.. Travel: U.S.; Canada; Mexico. Avoc. Ints.: Wood Carving; Cabinetmaking; Banker; Traveling by Auto..

BLAESING, Robert W., (l.p.) Instr., The Stout Inst., Menomonie, Wis.. b.: Oct. 22, 1921, Racine, Wis.. Married, one child. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1950; M.S., ibid, 1950. Exp.: Officer, U.S.A.A.F., 1942-45; Instr., The Stout Inst., Menomonie, Wis., 1950—. Mem.: Epsilon Pi Tau. Area of Splty.: Graphic Arts. Avoc. Ints.: Photography.

BLAKELY, M. A. (l.i.), B.S., Instr., Ind. Arts Edn., Agricultural, Mechanical, and Normal Coll., Pine Bluff, Arkansas.

BLANCHARD, Emil A., Prof., Tarleton State Coll., Stephenville, Texas. b.: Jan. 13, 1897, Fredericksburg, Texas. Married. Edn.: B.A., Howard Payne Coll., 1935; M.A., Texas Christian Univ., 1937. Exp.: Tarleton State Coll., 25 yrs..

BLANKLEY, Roy E., Instr. of Ind. Arts, Univ. of N.M., Albuquerque, N.M.. b.: Sept. 22, 1891, Findlay, Ohio. Married, two children. Edn.: H. Schl., 1910. Exp.: Mold and Die Maker, 1910-33; Instr., N.Y.A., 1940-42; Instr., U.S. Army, 1943-44; Instr., Univ. of N.M., Albuquerque, 1946—. Mem.: A.I.A.A.; N.M. Edn. Assn.; Amer. Soc. for Engrn. Edn.. Areas of Splty.: Mach. Shop; Patternmaking; Forging; Foundry.

BLANTON, Earle B., Asst. Prof., N. Tex. State Coll., Denton, Texas. b.: June 25, 1914, Texas. Married, one child. Edn.: B.S., N. Tex.

State Coll., Denton, 1934; M.S., ibid, 1944; Grad. Work Toward D.Ed.. Exp.: Tchr., H. Schl., Bailey, Tex., 1934-35; Tchr., Bethel Schl., Whitewright, Tex., 1935-38; Tchr., Jr. H. Schl., Durant, Okla., 1938-41; Tchr., Van H. Schl., Van, Tex., 1941-44; N. Tex. State Coll., Denton, 1944—; on leave of absence, 1949-51; Grad. Fellow, Ind. Arts Dept., Okla. A. & M. Coll., Stillwater, 1949-50; Grad. Fellow, Schl. of Edn., ibid, 1950-51. Mem.: N.A.I.T.T.; N.E.A.; A.C.I.A.T.E.; Tex. State Tchrs. Assn.; Phi Delta Kappa; Red Red Rose. Areas of Splty.: Metals; Supvn. in Tchr. Edn.; Research. Avoc. Ints.: Gunsmithing; Collecting.

BLIDE, Dan C., Chair. and Prof., Div. of Fine and Appld. Arts, Minot State Tchrs. Coll., Minot, N.D.. b.: Feb. 14, 1899, Huntley, Ill.. Married, one child. Edn.: B.S., The Stout Inst., 1922; M.S., Ia. State Coll., Ames, Ia., 1936; Grad. Work, Columbia Univ.. Exp.: Tchr., Carp. and Mach. Shop, Mich. Schl. for the Deaf, 1919-20; Tchr., Woodwork, Morgan Park H. Schl., Duluth, Minn., 1920-21; Dir., Ind. Arts, Minot Pub. Schls., Minot, N.D., 1922-24; Dir., Ind. Arts Dept., Chair., Div. of Fine and Appld. Arts, Minot State Tchrs. Coll., 1924—. Publs.: Elem. Hand Craft Projects. Mem.: N.E.A.; N.D.E.A.; A.I.A.A.; A.C.I.A.T.E.. Area of Splty.: Ind. Arts Administration. Avoc. Ints.: Reproducing and Repairing Old Furniture.

BLISS, William H., Asst. Prof. of Ind. Arts, Fresno State Coll., Fresno, Calif.. b.: Sept. 17, 1909, Cross Timbers, Mo.. Married. Edn.: B.S., Cent. Mo. State Tchrs. Coll., 1932; M.A., Colo. State Coll. of Edn., 1940. Exp.: Tchr., Benton Co., Mo. Schls., 1928-29; Tchr., Pettis Co., Mo. Schls., 1933-35; Prin., Ind. Arts Tchr., H. Schl., Malta Bend, Mo., 1935-37; Tchr., Ind. Arts, H. Schl., Marshall, Mo., 1937-41; Tchr., Ind. Arts, Maplewood, Mo., 1941; Dir. of Ind. Arts Ctr., St. Louis, Mo., 1941-46; Assoc. Prof., Ind. Edn., Northwestern State Coll., Natchitoches, La., 1946-50; Asst. Prof., Ind. Edn., Fresno State Coll., Fresno, Calif., 1950—; Ind. Exp. during summers. Publs.: "Photographic Brochure", Northwestern State Coll. of La., 1948. Mem.: N.A.I.T.T.; N.E.A.; A.A.U.P.; A.V.A.; Iota Lambda Sigma; Epsilon Pi Tau. Areas of Splty.: Engrn. Drawing; Arch. Drawing; Woodwork; Crafts. Travel: U.S.; Canada. Avoc. Ints.: Photography and Photo Finishing; Leathercraft; Camping; Hiking; Boy Scout Activities. Patents: Pan-Tilt Tripod Head, U.S. Patent No. 2469063, May 3, 1949.

BOLYARD, Thomas A., Instr., West Va. Univ., Univ. H. Schl., Morgantown, W. Va.. b.: Jan. 3, 1905, Philippi, W. Va.. Married, one child. Edn.: B.A., Broaddus Coll., 1927; M.A., W. Va. Univ., 1947. Exp.: Tchr. of Ind. Arts, H. Schls., 1927-49; Prin., Cassville Jr. H. Schl., W. Va. Univ., Morgantown, 1949—. Mem.: N.E.A.; A.V.A.; Nat. Sec. Prin.

Assn.; Nat. Elem. Prin. Assn.; W. Va. Elem. and Sec. Prin. Assn.; W. Va. Edn. Assn.; W. Va. Ind. Arts Assn.. Areas of Splty.: Woodwork; Metalwork; Crafts. Avoc. Ints.: Rebuilding Antique Furniture.

BOONE, James L., Jr., Instr., A. & M. Coll. of Texas, Coll. Station, Texas. b.: May 15, 1923, Houston, Texas. Married, one child. Edn.: B.S., A. & M. Coll. of Tex., 1947; M.Ed., ibid, 1948. Exp.: Tchr. Trainer, Laredo Jr. Coll., Laredo, Tex., 1948-49; Dir., Voc. Schl. Div., Laredo Jr. Coll., 1949-52; Instr., Dept. of Ind. Edn., A. & M. Coll. of Texas, 1952—. Mem.: A.V.A.; Tex. Voc. Assn.; Tex. State Tchrs. Assn.. Areas of Splty.: Woodwork; Drawing; Electricity.

BORCHARDT, N. (l.i.), Instr., Ind. Arts Dept., Univ. of Tampa, Tampa, Florida.

BOROSAGE, Lawrence, Lecturer in Voc. Edn., Univ. of Mich., Ann Arbor, Mich.. b.: Jan. 8, 1914, Milwaukee, Wis.. Married, two children. Edn.: B.S., Ohio State Univ., 1945; M.A., ibid, 1947; Course work for Ph.D. complete, ibid, 1951. Exp.: Tchr., Allis-Chalmers Mfg. Co., Milwaukee, Wis., 1935-40; Tchr., The Stout Inst., 1940-42; Training Supv., Curtiss Wright Corp., 1942-45; Asst. Supv., State Dept. of Edn., Ohio, 1945-51; Lecturer in Voc. Edn., Univ. of Mich., 1951—. Publs.: "Manual of Procedure in Ind. Edn.", Ohio State Dept. of Edn.; "Units of Instruction in Tchr. Edn., Ohio State Dept. of Edn.; Editor, "Trade and Ind. Newsletter". Mem.: N.E.A.; A.V.A.; Mich. Ind. Edn. Soc.; Epsilon Pi Tau; Iota Lambda Sigma; Phi Delta Kappa. Areas of Splty.: Ind. Arts; Voc. Edn.. Travel: U.S.. Avoc. Ints.: Gardening; Floriculture.

BOWERS, George, Asst. Prof. of Ind. Arts, Kent State Univ., Kent, Ohio. b.: Feb. 25, 1918, Ottowa, Ohio. Married. Edn.: B.S., Bowling Green State Univ., Bowling Green, Ohio, 1940; M.S., The Stout Inst., Menomonie, Wis., 1947. Exp.: Power Lineman, 1938; Draftsman, 1940-41; Tchr., Ind. Arts, 1940-42; Tchr. Training, Coll., 6 yrs.. Mem.: A.V.A.; Northeastern Ohio Ind. Arts Assn.; Ohio Ind. Arts Assn.; Electrical Main. Engrs. of Akron; Epsilon Pi Tau. Areas of Splty.: Drafting; Guidance. Travel: U.S.; England; Germany; Italy; France; Switzerland; Mexico; Canada. Avoc. Ints.: Sports Officiating; Wood Crafts; Active Sports.

BOWERS, Ralph W. E., Prof., Head, Dept. of Ind. Edn., Southwestern La. Inst., Lafayette, La.. b.: June 4, 1906, Roanoke, La.. Married, two children. Edn.: B.S., McPherson Coll., McPherson, Kan., 1929; M.S., Ia. State Coll., Ames, Ia., 1941. Other Grad. Work. Exp.: Tchr., Ind. Arts, H. Schl., Kan., 1929-42; Instr., Ind. Edn., La. State Univ.,

1942-43; Supv. of Ind. Arts, La. State Dept. of Edn., 1943-45; Prof., Ind. Edn., Southwestern La. Inst., Lafayette, 1945—. Mem.: A.V.A.; N.A.I.T.T.; N.E.A.; La. Voc. Assn.; La. Edn. Assn.; Phi Delta Kappa. Areas of Splty.: Metals; Wood; Ind. Edn. Tchr. Training. Avoc. Ints.: Gardening; Sports.

BOWERS, Reginald C., Special Instr., Univ. of Okla., Norman, Okla.. b.: Mar. 6, 1921, Norman, Okla.. Married, one child. Edn.: B.S., Univ. of Okla., Norman, 1949; M.Ind. Edn., ibid, 1950. Exp.: Instr., Ind. Edn., Univ. of Okla., Norman, 1949—. Mem.: A.I.A.A.; Okla. Ind. Arts Assn.; Phi Delta Kappa. Areas of Splty.: Welding; Woodwork; Art Metal; Crafts; Upholstering. Travel: Sicily; Italy; Africa. Avoc. Ints.: Crafts; Photo..

BOWERS, Victor Lee, Prof., Dir. of Ind. Arts, S.W. Tex. State Tchrs. Coll., San Marcos, Tex.. b.: July 25, 1911, Landonia, Tex.. Married, two children. Edn.: B.A., E. Tex. State Tchrs. Coll., Commerce, Tex., 1932; M.A., Ohio State Univ., Columbus, Ohio, 1937; Ph.D., ibid, 1941. Exp.: Tchr., Pub. Schls., Tex., 1933-38; Acting Asst. Prof., Ind. Arts, Miami Univ., Oxford, Ohio, 1939; Asst., Ohio State Univ., Columbus, Ohio, 1940-41; Instr., Ind. Arts, Northern Ill. State Tchrs. Coll., DeKalb, Ill., 1941; Civ. Training Admin., U.S.A.A.F., Kelley Field, Tex., 1942-45; Prof., Dir., Ind. Arts Dept., S.W. Tex. State Tchrs. Coll., San Marcos, Tex., 1945—. Publs.: Contbd. to "I.A.V.E."; "The Tex. Outlook". Mem.: A.I.A.A.; A.C.I.A.T.E.; Tex. State Tchrs. Assn.; Tex. Classroom Tchrs. Assn.; Epsilon Pi Tau, Past. Pres., Alpha Chapt., Laureate Mem.; Pi Delta Kappa. Areas of Splty.: Drafting; Gen. Metals; Woods; Grad. Work. Travel: U.S.; Texas. Avoc. Ints.: Sports; Fishing; Bldg. and Const. Work.

BOWMAN, Clyde A., Prof., Dean, Div. of Ind. Edn., The Stout Inst., Menomonie, Wis.. b.: July 18, 1887, Prescott, Wis.. Married, two children. Edn.: Diploma, State Tchrs. Coll., River Falls, Wis., 1907; Diploma, Ind. Arts, The Stout Inst., Menomonie, Wis., 1909; B.S., Columbia Univ., Tchrs. Coll., 1915; M.S., Univ. of Wis., Madison, 1927; Other Grad. Study. Exp.: Shop Instr., Pub. Schls., El Paso, Tex., 1909; Dir., Man. Training, Pub. Schls., Stillwater, Minn., 1909-11; Dir., Man. Arts, State Tchrs. Coll., Stevens Point, Wis., 1911-16; Instr., Ind. Arts, Columbia Univ., Tchrs. Coll., 1916-19; Dean, Div. of Ind. Edn., The Stout Inst., Menomonie, Wis., 1919—. Publs.: Graphic Aids in Occupational Analysis for Guidance and Teaching, 1924; Contbd. to "Ind. Arts Mag."; "Ind. Edn."; "Voc. Guidance Mag."; "The Nation's Schls."; "I.A.V.E.". Mem.: N.E.A.; A.V.A., Life Mem.; N.A.I.T.T.; Nat. Soc. for the Study of Edn.; Wis. Edn. Assn.; Wis. Ind. Arts Assn.,

Chair., State Curr. Com.; Miss. Valley Ind. Arts Conf.; Northwestern Wis. Tchrs. Assn.; Phi Delta Kappa; Epsilon Pi Tau; Iota Lambda Sigma; Mu Sigma Pi. Area of Splty.: Ind. Edn.. Travel: Bermuda; Canada; Mexico; U.S.. Avoc. Ints.: Stamps; Gardening; Graphic Analysis.

BOWMAN, James E., Asst. Prof., Cent. Mich. Coll. of Edn., Mt. Pleasant, Mich.. b.: Sept. 19, 1907, Pierre, Okla.. Married, two children. Edn.: B.S., Cent. Mich. Coll. of Edn., 1937; M.A., Univ. of Mich., 1944. Exp.: H. Schl. Administrator, 1927-46; Asst. Prof., Cent. Mich. Coll. of Edn., 1946—. Mem.: Iota Lambda Sigma. Areas of Splty.: Metalwork; Carpentry. Avoc. Ints.: Building Hunting and Fishing Accessories.

BOWMAN, Walter, Instr., State Tchrs. Coll., Calif., Pa.. b.: Nov. 25, 1919, Pittsburg, Pa.. Married, two children. Edn.: B.S., State Tchrs. Coll., Calif., Pa., 1945; M.A., Univ. of Pittsburg, 1951. Exp.: Comb. Welder and Gen. Repairs to Plant, Carnegie Ill. Steel Corp., 2 yrs.; Tchr., Pub. Schls., 3 yrs.; Tchr., Coll., 3 yrs.. Areas of Splty.: Welding; Woodwork.

BOYER, Ray A., Asst. Instr., Kan. State Tchrs. Coll., Pittsburg, Kan.. b.: Oct. 28, 1916, Weatherford, Okla.. Married, one child. Edn.: B.S., Kan. State Tchrs. Coll., Pittsburg, Kan., 1939. Exp.: Royster Jr. H. Schl., Chanute, Kan., 1939-40; Chanute Trade Schl., Chanute, Kan., 1940-44; Instr., Kan. State Tchrs. Coll., Pittsburg, Kan., 1949—; Several yrs. as Linotype Operator. Mem.: Epsilon Pi Tau. Area of Splty.: Printing. Avoc. Ints.: Photo.; Gardening.

BRANDSTATT, L. E. (l.i.), M.S., Instr., Ind. Arts Dept., Chico State Coll., Chico, California.

BRANDT, H. K. (l.i.), M.A., Asst. Prof. and Hd., Dept. of Ind. Arts, New Mexico Highlands Univ., Las Vegas, New Mexico.

BRANOM, Joseph M., Instr., S.W. Tex. State Tchrs. Coll., San Marcos, Tex.. b.: May 3, 1925, Commerce, Tex.. Married, two children. Edn.: B.S., E. Tex. State Coll., Commerce, Tex., 1948; M.Ed., Tex. A. & M. Coll., Coll. Station, Tex., 1949. Exp.: Grad. Asst., Ind. Arts, Tex. A. & M. Coll., Coll. Station, Tex., 1948-49; Instr., Ind. Arts, S.W. Tex. State Tchrs. Coll., San Marcos, 1949—. Mem.: A.I.A.A.; Tex. State Tchrs. Assn.; Epsilon Pi Tau. Areas of Splty.: Gen. Woods; Gen. Metals; Gen. Drawing; Crafts. Travel: U.S.; S. Pacific. Avoc. Ints.: Golf; Fishing; Hunting; Gardening; Working with the various media of Ind. Arts.

BRENNAN, Thomas J., Instr., West Va. Univ., Univ. H. Schl., Morgan-

town, W. Va.. b.: March 17, 1916, Cincinnati, Ohio. Married, two children. Edn.: B.S., Ohio Univ., 1941; M.A., W. Va. Univ., 1947. Exp.: Chelyan Jr. H. Schl., 1940-41; W. Va. Univ., Univ. H. Schl., Morgantown, 1941—. Mem.: A.V.A.; W. Va. Ind. Arts Assn., Past Pres.; Epsilon Pi Tau. Areas of Splty.: Gen. Shop; Woodwork. Avoc. Ints.: Pottery; Jewelry; Leather Carving.

BREWINGTON, Leroy, Asst. Prof., Kan. State Tchrs. Coll., Pittsburg, Kan.. b.: Oct. 26, 1902, Sedan, Kan.. Married, one child. Edn.: B.S., Kan. State Tchrs. Coll.; M.S., ibid.. Exp.: Teaching, 1926—. Publs.: Staff Feature Editor for: Publishers Aux., Thorn Hill, Frankfort, Ky., Kan. Publishers, and Canadian Weekly; Write for other state press publs.. Mem.: A.V.A.; K.V.A.. Area of Splty.: Printing. Avoc. Ints.: Photo.; Hunting; Writing.

BRIGGS, Ernest C., Instr., Va. State Coll., Petersburg, Va.. b.: July 15, 1893, Richmond, Va.. Married, one child. Edn.: LL.B., Va. Union Univ., Richmond, Va., 1926. Exp.: Plastering Contractor, 1924-50; Instr. in Plastering, Va. State Coll., 1950—.

BRILL, Harry R., Asst. Prof. of Tech. Draw., Bradley Univ., Peoria, Ill.. b.: June 18, 1895, Villa Grove, Ill.. Married, three children. Edn.: A.B., Indiana State Tchrs. Coll., Terre Haute; Ph.M., Univ. of Wis., Madison; Other Grad. Work. Exp.: Tchr., Pub. Schls., 1913-17, 1920-46; U.S. Army, 1917-19; Asst. Prof. of Tech. Draw., Bradley Univ., 1946—; Carp. and Cabinetmaker. Mem.: Carp. Local Union No. 183, Peoria, Illinois.

BRINK, Lawrence J., Asst. Prof., Western Mich. Coll. of Edn., Kalamazoo, Mich.. b.: Dec. 8, 1917, Grand Rapids, Mich.. Married, two children. Edn.: B.A., Western Mich. Coll. of Edn., Kalamazoo, 1940; M.A., Univ. of Mich., 1948. Exp.: Tchr., Western Mich. Coll. of Edn., 1940—; Linotype Operator, 1933-35; Printer, 1936-40; U.S.N., Supply Corps, 1943-46. Mem.: Mich. Ind. Edn. Soc.; Mich. Edn. Assn.; Epsilon Pi Tau. Areas of Splty.: Economics; Printing; Voc. Edn.. Travel: U.S.; Pacific Area. Avoc. Ints.: Photo..

BROOKS, Mamie Rae, Instr., Western Carolina Tchrs. Coll., Cullowhee, N.C.. b.: July 26, 1910, Lexington, Tenn.. Edn.: B.S., Geo. Peabody Coll. for Tchrs., Nashville, Tenn., 1940; M.A., ibid, 1940. Exp.: Art Supv., 1940-43; Staff Asst., A.R.C., 1945-46; Instr., Western Carolina Tchrs. Coll., Cullowhee, N.C., 1948—. Areas of Splty.: Ind. Design; Ceramics; Crafts. Travel: U.S.; India; Around World.

BROOKS, R. U. (l.i.), M.S., Asst. Prof., Ind. Arts Dept., Fort Hays Kan. State Coll., Hays, Kansas.

BROSSMAN, D. G. (l.i.), M.A., Asst. Prof., Ind. Arts Div., N.Y. State Coll. for Tchrs., Buffalo, N.Y..

BROTHERTON, W. A., Instr., Memphis State Coll., Memphis, Tenn.. b.: Sept. 16, 1923, Walnut, Miss.. Married, two children. Edn.: B.S., Memphis State Coll., 1948; M.A., Geo. Peabody Coll. for Tchrs., 1951. Exp.: Arch. Draftsman, 1948; Instr., Memphis State Coll., 1948—. Mem.: A.A.U.P.; Tenn. Edn. Assn.. Area of Splty.: Drafting. Travel: So. Pacific Area; U.S.. Avoc. Ints.: Photo.; Furniture Design and Const.;

BROWMAN, Harold G., Instr., Purdue Univ., W. Lafayette, Indiana. b.: Mar. 4, 1908, Burritt, Ill.. Married. Edn.: B.E., Northern Ill. Tchrs. Coll., 1936; M.A., Northwestern Univ., 1946. Exp.: Machinist, 1927-32; Voc. Tchr., Ill., 1936-42; U.S. Navy., 1942-45; Voc. Advisor, Vet. Admin., Chicago, 1945-46; Voc. Advisor, Univ. of Chicago, 1946-47; Instr., Purdue Univ., 1947—. Mem.: Epsilon Pi Tau; Iota Lambda Sigma; Masonic Order. Areas of Splty.: Voc. Guidance; Machinist; Optics; Graphic Arts; Woodwork; Elect.; Mech. Drawing. Avoc. Ints.: Photo.; Golf.

BROWN, Albert E., Instr., Gorham State Tchrs. Coll., Gorham, Me.. b.: Mar. 15, 1917, Buffalo, N.Y.. Edn.: B.S., N.Y. State Coll. for Tchrs., Buffalo, N.Y., 1939; M.A., Univ. of Minn., 1948. Exp.: Tchr., Ind. Arts, Congers H. Schl., Congers, N.Y., 1939-41; U.S. Army, 1941-45; Pub. Schl. System, Buffalo, N.Y., 1945-47; Instr., Oswego State Tchrs. Coll., Oswego, N.Y., 1949-50; Instr., Gorham State Tchrs. Coll., Gorham, Me., 1950—. Mem.: A.V.A.; N.E.A.; Me. Assn. for Ind. Edn.; N.E.I.A.T.A.; Epsilon Pi Tau. Area of Splty.: Electricity.

BROWN, Chester R., Asst. Prof. of Ind. Arts, Univ. of N.M., Albuquerque, N.M.. b.: Mar. 14, 1908, Gilbert, Minn.. Married, one child. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1933; M.S., ibid, 1951. Exp.: Tchr., Pub. Schls. and Ext. Courses for Univ. of Hawaii, Honolulu, T.H., 1929-38; C.C.C., 1940; U.S. Army, 1943-46; Univ. of N.M., Albuquerque, 1948—; Work in Industry, 1938-40; 1941-42. Mem.: N.A.I.T.T.; A.I.A.A.; A.S.E.E.; N.M. Edn. Assn.. Area of Splty.: Wood. Travel: Hawaiian Islands.

BROWN, Glen David, Prof., Head, Dept. of Ind. Edn., Univ. of Md., Coll. Park, Md.. b.: Apr. 3, 1891, Jerome, Ind.. Married, three children. Edn.: B.A., Ind. State Tchrs. Coll., Terre Haute, 1916; M.A., Ind. Univ., Bloomington, 1931; Other Grad. Study. Exp.: Tchr. and Administrator, Pub. Schls., 1910-18; Supv., Pre-voc. Edn., Muncie, Ind., 1918-21; Dir., Voc. Edn., Muncie, Ind., 1921-25; Asst. Supt. of Schls. in Charge of Business Mgt. and Voc. Edn., Muncie, Ind., 1925-

31; Supv. of Part-time Edn., Baltimore, Md., 1931-33; Prin., Boys' Advanced Occup. Schl., Baltimore, Md., 1933-37; Prof. of Ind. Edn. and Head of Dept., Univ. of Md., 1937—; State Administrator, N.Y.A., Md., 1940-42; Part-time Supv., Trade and Ind. Edn., State Dept. of Edn. and Acting State Dir. of Voc. Edn., 1942-43; Asst. State Dir. for Voc. Edn. and State Supv. of Trades and Ind. Edn., State Supv. of Adult Edn., 1944-46; Civ. Instr., Engrn. Corps, 1917-18; Md. State Dir., War Production and War Food Training, 1943-44. Publs.: Contbd. to various mags. and Md. State Dept. of Edn. bulletins. Mem.: N.E.A.; A.I.A.A.; A.A.S.A.; N.A.S.S.P.; A.C.I.A.T.E.; A.V.A., Honorary Life Mem.; N.A.I.T.T.; Md. Soc. of Training Dirs.; Amer. Soc. of Training Dirs.; Md. Voc. Assn.; Md. Tchrs. Assn.; Kiwanis International, Past Pres. and Past Dist. Trustee, Muncie, Indiana. Areas of Splty.: Schl. Admin. and Supvn.; Ind. Arts and Voc. Edn. Tchr. Edn.. Travel: U.S.; Canada. Avoc. Ints.: Civic Affairs; Youth and their organizations.

BROWN, J. M. (l.i.), M.A., Instr., Dept. of Ind. Edn., Fla. A. and M. Coll., Tallahassee, Florida.

BROWN, James H., Asst. Prof. of Engrn., Univ. of Omaha, Omaha, Neb.. b.: Jan. 12, 1922, Minneapolis, Minn.. Married, two children. Edn.: B.M.E., Univ. of Minn., 1944; B.S., ibid, 1944; Grad. Study. Exp.: Draftsman; Asst. Civil Engineer, 1945-46; Design Engineer, 1946-48; Instr., Mech. Engrn., Univ. of Minn., 1947-49; Asst. Prof., Univ. of Omaha, 1949—. Publs.: Contbd. to "I.A.V.E.". Mem.: Engineer's Club of Omaha; A.S.E.E.. Area of Splty.: Mech. Design. Travel: Panama; Hawaii; Guam. Avoc. Ints.: Gardening; Tennis.

BROWN, Marion A., Instr., Murray State Coll., Murray, Ky.. b.: Mar. 13, 1923, Marion, Ky.. Married. Edn.: B.S., Murray State Coll., 1949. Exp.: Instr., Murray State Coll., 1949—. Mem.: First Dist. Edn. Assn.; K.E.A.; K.I.A.T.T.. Areas of Splty.: Metalwork; Gen. Shop. Travel: Australia; New Guinea; Philippines. Avoc. Ints.: Teaching.

BROWN, N. E. (l.i.), B.S., Instr., Dept. of Ind. Edn., The A. and T. Coll. of N.C., Greensboro, North Carolina.

BROWN, Walter C., Asst. Prof., Ind. Arts, Univ. of Mo., Columbia, Mo.. b.: Feb. 27, 1918, Maryville, Mo.. Married, three children. Edn.: B.S., Northwest Mo. State Coll.; M.Ed., Univ. of Mo.. Exp.: Tchr., Ind. Arts, Elem. Schl., 2 yrs.; Sec. Schl., 2 yrs.; Coordinator and Local Supv., Ind. Edn., 3 yrs.; State Supv., Ind. Arts, 3 yrs.; Ind. Edn. Tchr. Training, 4 yrs.. Mem.: A.V.A.; Mo. State Tchrs. Assn.; Mo. Ind. Edn. Assn.; Mo. Voc. Assn., Pres.; Phi Delta Kappa, Treas., Gamma Chapt.. Areas of Splty.: Profnl. Courses; Drawing. Avoc. Ints.: Fishing.

BRYANT, Ward T., Sr., Instr., Ala. Poly. Inst., Auburn, Ala.. b.: May 10, 1918, Birmingham, Ala.. Married, one child. Edn.: Degree in Industrial Management, 1951. Exp.: Amer. Cast Iron Pipe Co., Birmingham, Ala., 1938-42, 1945-50; Chief Moulder, U.S.N., 1942-45; Ala. Poly. Inst., 1950—. Area of Splty.: Foundry Sands. Travel: England; Hawaii; U.S.. Avoc. Ints.: Plastics.

BUMB, Oliver C., Assoc. Prof., Ball State Tchrs. Coll., Muncie, Ind.. b.: Jan. 22, 1911, Evansville, Ind.. Married, three children. Edn.: B.S., Ind. State Tchrs. Coll., 1933; M.S., Ind. Univ., 1939; Ed.D., ibid, 1950. Exp.: Taught at the following: Nappanee, Ind., 1934-35; South Bend, Ind., 1935-42; Ball State Tchrs. Coll., 1942—; Ind. Exp., 1942-44. Publs.: Contbd. to "Indiana Ind. Edn. Bull.". Mem.: A.A.U.P.; A.I.A.A.; A.V.A.; A.C.I.A.T.E.; Indiana Ind. Edn. Assn., Pres., 1950-51; Phi Delta Kappa; Epsilon Pi Tau; Iota Lambda Sigma; Torch Club. Area of Splty.: Drawing. Travel: U.S.. Avoc. Ints.: Church and Scouting Activities; Athletics.

BURBANK, Derward T., Asst. Prof. of Ind. Arts, San Jose State Coll., San Jose, Calif.. b.: Jan. 24, 1917, Stockton, Calif.. Edn.: B.A., San Jose State Coll., Calif., 1938; Grad. Study. Exp.: Tchr., Emerson Jr. H. Schl., Bakersfield, Calif., 1940-41; Tchr., Borel Elem. Schl., San Mateo, Calif., 1941-42; Tchr., John Swett Jr. H. Schl., San Francisco, Calif., 1944-46; Tchr., Lincoln H. Schl., San Francisco, Calif., 1946-47; San Jose State Coll., Calif., 1947—. Mem.: Calif. Ind. Edn. Assn.; Epsilon Pi Tau. Areas of Splty.: Electricity; Radio; Gen. Metal. Travel: Northern Hemisphere. Avoc. Ints.: Radio.

BURDETTE, Walter E., Instr., State Tchrs. Coll., St. Cloud, Minn.. b.: May 23, 1922, Woodburn, Ky.. Married. Edn.: B.S., Kan. State Tchrs. Coll., Pittsburg, 1947; M.S., ibid, 1948. Exp.: Instr., State Tchrs. Coll., St. Cloud, Minn., 1948—. Mem.: A.A.U.P.; N.E.A.; N.A.I.T.T.; Minn. Edn. Assn.; Central Minn. Ind. Arts Club; Epsilon Pi Tau; State Tchrs. Coll. Faculty Assn.. Area of Splty.: Gen. Ind. Arts. Travel: Pacific Area; Korea. Avoc. Ints.: Home Decoration; Furniture Making; Golfing.

BURGE, C. L. (l.i.), Instr., Dept. of Ind. Edn., The A. and T. Coll. of N.C., Greensboro, North Carolina.

BURGESS, Sidney P., Asst. Prof. of Ind. Arts, W. Tex. State Coll., Canyon, Tex.. b.: Sept. 10, 1918, Tex.. Married, two children. Edn.: B.S., W. Tex. State Coll., Canyon, 1940; M.A., Colo. State Coll. of Edn., Greeley, 1948. Exp.: Tchr., Ind. Arts, Math., H. Schl., 1940-42; Civilian Instr., U.S.A.A.C.; 1942-44; U.S. Armed Forces, 1944-46;

Instr., Ind. Arts on Coll. Level, 1946—.

BURK, Karl W., Instr. of Ind. Arts, Ariz. State Coll., Tempe, Ariz.. b.: Sept. 30, 1916, St. Johns, Ariz.. Married. Edn.: B.A., Ariz. State Coll., Tempe, 1939; M.A., ibid, 1942. Exp.: Teaching, 6 yrs.; Defense Work and House Bldg., 6 yrs.. Mem.: Amer. Engrs. Assn.; Ind. Arts Alumni Assn. of Ariz. State Coll.. Areas of Splty.: Bldg. and Const.; Auto Mechs.. Travel: U.S.. Avoc. Ints.: Church Work; Scouting; Building.

BURKHISER, Donald M., Head, Div. of Pract. Arts, Neb. State Tchrs. Coll., Chadron, Neb.. b.: Jan. 2, 1905, Dalton, Mo.. Married, four children. Edn.: B.S., Ia. State Tchrs. Coll., Cedar Falls, Ia., 1934; M.S., Ia. State Coll., Ames, Ia., 1942. Exp.: Ind. Arts Tchr., Athletic Coach, 1928-30; Ind. Arts Tchr., H. Schl., 1930-39; Ind. Arts Tchr., Jr. H. Schl., 1939-45; Adult Evening Schl. Tchr., 1940-45; Head, Dept. of Ind. Arts, Neb. State Tchrs. Coll., Chadron, Neb., 1945—. Mem.: Neb. State Tchrs. Edn. Assn.; Neb. State Tchrs. Coll. Edn. Assn., Sectry.; Neb. State Ind. Arts Assn.; Neb. Coll. Conf., Pres.. Areas of Splty.: Drafting; Woodwork; Metals; Profnl. Courses. Travel: U.S.. Avoc. Ints.: Rotary Club, Past Pres.; Small Stock Raising; Hunting; Fishing.

BURNS, Clyde E., (l.p.) Dir., Ind. Arts Edn., Fla. State Univ., Tallahassee, Fla.. b.: Oct. 23, 1909, Hiram, Ohio. Married, four children. Edn.: B.A., Milligan Coll., 1931; B.S., E. Tenn. Coll., 1933; M.S., Univ. of Tenn., 1940; ~~Ph.D.~~, Fla. State Univ., 1952. Exp.: Prin., Elem. and Sr. H. Schl., Carter Co., Tenn., 1931-32; Tchr., Ind. Arts, H. Schl., Bristol, Tenn., 1933-36; Knoxville Voc. Schl., Tenn., 1937; Edn. Adviser, C.C.C., 1938-40; Tchr. Trainer, Ind. Arts, Tenn. Technical Inst., 1940-42; Supv. and Tchr., Ind. Arts, Sylvania, Ohio, 1943-45; Fla. State Univ., 1947-52. Publs.: Contbd. to "I.A.V.E."; "Ind. Arts News", "F.E.A.". Mem.: A.I.A.A.; A.V.A.; N.E.A.; F.E.A.; Phi Delta Kappa; Kappa Delta Pi; Phi Kappa Phi. Area of Splty.: Gen. Shop. Avoc. Ints.: Photo.; Wood Carving. Ed D

BURRELL, David, J., Asst. Prof. of Ind. Arts, Western Wash. Coll. of Edn., Bellingham, Wash.. b.: Jan. 28, 1905, Seattle, Wash.. Married, two children. Edn.: B.A., State Coll. of Wash., Pullman, 1932; M.A., ibid, 1934. Exp.: H. Schl. Tchr., Pendleton, Ore., 1932-34; Dept. Head, Tchr., and Curr. Consultant, Seattle Pub. Schls., Seattle, Wash., 1934-49; Western Wash. Coll. of Edn., Bellingham, Wash., 1949—. Publs.: Articles in edn. journals. Mem.: N.A.I.T.T.; A.A.U.P.; N.E.A.; Wash. Edn. Assn.; Wash. Ind. Arts Assn.; Phi Delta Kappa; Epsilon Pi Tau. Area of Splty.: Woodwork. Avoc. Ints.: Fishing; Boating; Traveling; Reading.

BURROUGH, M. P. (l.i.), M.A., Instr., Ind. Edn., George Peabody Coll. for Tchrs., Nashville., Tennessee.

BURROUGHS, Leon W., Instr., State Normal and Ind. Coll., Ellendale, N.D.. b.: Mar. 23, 1917, Frederick, S.D.. Married, two children. Edn.: B.S., State Normal and Ind. Coll., Ellendale, N.D., 1940. Exp.: Instr. of Ind. Arts, 1940-41, 1942-43; Supvr., Sheet Metal Dept., Chanute Field, Ill., 1941-42; Farming, 1943. Mem.: S.D. Edn. Assn.; Ind. Arts Edn. Assn. of N.E. Dist. of S.D., V.Pres., 1942. Area of Splty.: Ind. Mechanics. Avoc. Ints.: Woodwork; Art Metalwork.

BUSBY, S. (l.i.), Tech. Asst., Dept. of Ind. Arts, San Diego State Coll., San Diego, California.

BUSHNELL, L. (l.i.), M.Ed., Asst. Prof., Dept. of T. and I., Keene Tchrs. Coll., Keene, New Hampshire.

BUTCHER, Hugh H., Asst. Prof., W. Va. Inst. of Tech., Montgomery, W. Va.. b.: May 16, 1916, Sutton, W. Va.. Married. Edn.: B.S., W. Va. Inst. of Tech., 1948; M.A., Ohio State Univ., 1949. Exp.: Elem. Tchr., Pub. Schls., W. Va., 1936-42; Ind. Arts Tchr., Oswego State Tchrs. Coll., 1949-50; Asst. Prof. of Ind. Arts and Co-Chair., Ind. Arts Dept., W. Va. Inst. of Tech., 1950—. Mem.: N.E.A.; A.V.A.; A.I.A.A.; W. Va. Edn. Assn.; W. Va. Ind. Arts Assn.; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Gen. Shop; Ceramics; Metals. Travel: Canada; England; France; Germany; Belgium; Switzerland; Scotland. Avoc. Ints.: Crafts.

BYERS, Earle C., Instr., Kan. State Coll., Manhattan, Kan.. b.: July 10, 1911, Enterprise, Kan.. Married, one child. Edn.: B.A., Greenville Coll., Greenville, Ill., 1941. Exp.: Kan. State Coll., 1946—. Mem.: A.S.E.E.; N.A.I.T.T.; Refrigeration Engineers Society. Areas of Splty.: Refrigeration; Automotive Mechanics. Avoc. Ints.: Photo..

BYRNE, John, Instr., Chicago Tchrs. Coll., Chicago, Ill.. b.: July 25, 1910, Chicago, Ill.. Married, four children. Edn.: B.S., De Paul Univ., 1937; M.A., ibid, 1942. Exp.: Tchr., All Levels, 1935—.

CAHILL, I. C. (l.i.), A.B., Instr., Ind. Edn. Dept., Tuskegee Inst., Tuskegee Inst., Alabama.

CAIN, C. Richard, Asst. Prof., Ft. Hays Kan. State Coll., Hays, Kan.. b.: Jan. 16, 1916, Fostoria, Ohio. Married, two children. Exp.: Industrial, 7 yrs.; Ind. Arts Tchr., H. Schl., 1942-49; Coll. Ind. Arts, 1949—. Mem.: A.V.A.; N.E.A.; Mich. Edn. Assn.. Areas of Splty.: Mech. and Arch. Drafting; Cabinetmaking; Auto Mech.. Travel: U.S.. Avoc. Ints.: Big Game Hunting, gun and bow and arrow; Oil Painting; Model Making,

ships.

CALDWELL, L. H., Asst. Prof., Kan. State Tchrs. Coll., Pittsburg, Kan.. b.: Oct. 16, 1897, Lone Elm, Kan.. Married, two children. Edn.: B.S., Kan. State Tchrs. Coll., Emporia, 1920; M.A., Tchrs. Coll., Columbia Univ., N. Y., 1932. Exp.: H. Schl. Tchr. and Prin., 1920-44; Audio Visual Educ., 1944—. Publs.: Various Mag. Articles. Mem.: N.E.A.; A.A.U.P.; Kan. State Tchrs. Assn.; Kan. Audio-Visual Instruction Assn.; Phi Delta Kappa; Kappa Delta Pi; Epsilon Pi Tau. Areas of Splty.: Elem. Edn.; Audio-Visual Edn.. Travel: United States. Avoc. Ints.: Travel; Camping; Photo.; Gardening; Woodwork; Crafts.

CALIMAN, C. (l.i.), Instr., Div. of Ind., Central State Coll., Wilberforce, Ohio.

CALLAHAN, Lewis B., (l.p.) Instr., Ia. State Tchrs. Coll., Cedar Falls, Ia.. b.: Mar. 2, 1913, Mickerson, Kan.. Married. Edn.: B.A., Peru State Tchrs. Coll., Peru, Neb., 1938; M.A., Colo. State Tchrs. Coll., 1943; M.S., Kan. State Coll., Manhattan, Kan., 1946. Exp.: Prin., H. Schl., Brunswick, Neb., 1938-41; Supt., H. Schl. Comb., Lebanon, Neb., 1941-43; Supt., H. Schl. Comb., Holbrook, Neb., 1943-46; Instr., Eng., Kansas State Coll., 1946-48; Instr., Ind. Arts, Ia. State Tchrs. Coll., 1948—. Mem.: A.A.U.P.; E.P.C.; P.D.K.; A.I.A.A.; N.E.A.; I.S.E.A.; Ind. Arts Club, Sponsor. Areas of Splty.: Metals; Woodwork. Travel: U.S.. Avoc. Ints.: Fishing; Hunting; Radio; Reading; Movies; Discussions.

CALLAN, Louis J., Asst. Prof. of Ind. Arts, N. Y. State Coll. for Tchrs., Buffalo, N. Y. b.: Jan. 27, 1906, Buffalo, N. Y.. Married, three children. Edn.: B.S., State Tchrs. Coll., Buffalo, N. Y., 1930; M.A., The Ohio State Univ., 1938; Ph.D., ibid, 1952. Exp.: Carpentry, Cabinetmaking, 1920-24; Pub. Schl. Tchr., 1930-45; Machinist, summers, two years; Coll. Tchr., 1945—. Mem.: N.Y. State Voc. Assn.; N.Y. State Tchrs. Assn.; A.I.A.A.; A.A.U.P.; N.E.A.. Areas of Splty.: Ind. Arts; Guidance; Sec. Edn.. Travel: U.S.. Avoc. Ints.: Outdoor Edn.; Camping; Swimming; Hunting; Fishing; Tennis; Golf; Skiing.

CALVIN, Laurence V., Asst. Prof. of Ind. Arts, Ohio Univ., Athens, Ohio. b.: July 22, 1903, Radcliff, Ohio. Married, three children. Edn.: B.S., Ohio Univ., 1931; M.A., ibid, 1936; Other Grad. Work. Exp.: Tchr., Pub. Schls. of Ohio, 1923-42; Instr. of Voc. Edn. for Army Air Forces, 1942-44; Head, Plains, Ohio, Schl., 1944-47; Ohio Univ., 1947—. Publs.: Contributed to "I.A.V.E.". Mem.: Local, State and National Tchr. Organizations. Areas of Splty.: Metalwork; Theory. Travel: U.S.. Avoc. Ints.: Gardening; Designing and Constructing Small Machines.

CAMPBELL, Irwin M., Instr., Cent. Mich. Coll. of Edn., Mt. Pleasant, Mich.. b.: Sept. 9, 1907, Utica, Mo.. Married, two children. Edn.: B.S., Cent. Mich. Coll. of Edn., Mt. Pleasant, Mich., 1945; M.A., Univ. of Mich., 1950. Exp.: Linotype Operator, 1930-33; Newspaper Work, 1933-35; Cylinder Pressman, 1936-40; Mgr., Coll. Print Shop, 1940; Instr., Printing, Cent. Mich. Coll. of Edn., 1942—. Publs.: An Illustrated Workbook In Printing. Mem.: Mich. Ind. Edn. Society; Mich. Edn. Assn.; International Graphic Arts Edn. Assn.; Kappa Delta Pi. Areas of Splty.: Journalism; Photo.; Printing Edn.. Travel: U.S.; Canada; Mexico. Avoc. Ints.: Gardening; Photo..

CAMPBELL, Merrill G., Instr., State Tchrs. Coll., California, Pa.. b.: April 13, 1914, Stahlstown, Pa.. Married, five children. Edn.: B.S., State Tchrs. Coll., Calif., Pa., 1936; M.Ed., Univ. of Pittsburg, 1947. Exp.: Dale Borough Schls., Johnstown, Pa., 1935-38; Midland Pub. Schls., Midland, Pa., 1938-47; Barton H. Schl., Allegany Co., Md., 1947-48; State Tchrs. Coll., Calif., Pa., 1948—. Mem.: N.E.A.; P.S.E.A.; A.I.A.A.; Epsilon Pi Tau; Phi Sigma Pi. Areas of Splty.: Gen. Shop; Drafting; Electricity. Travel: Italy; France; Germany; Belgium. Avoc. Ints.: Boy Scout Work; Archery.

CANFIELD, Ruth, Assoc. Prof. of Edn., N.Y. Univ., Wash. Square, N.Y.C.. b.: N.Y.. Edn.: B.S. in Applied Art, N.Y.S. Coll. of Ceramics; M.A., N.Y. Univ., Exp.: Teaching pottery and weaving; Carnegie Inst. of Tech., Henry Street Settlement; Oswego State Normal; N.Y. Univ.. Mem.: Amer. Ceramic Society; N.E.A.. Areas of Splty.: Ceramics; Weaving; Bookbinding. Travel: Europe; Mexico. Avoc. Ints.: Bookbinding; Painting; Gardening.

CAPPIELLO, David A., Instr., State Univ. of N. Y., Tchrs. Coll., Buffalo, N. Y.. b.: Mar. 1, 1919, Rochester, N. Y.. Married, one child. Edn.: B.S., State Tchrs. Coll., Buffalo, N. Y., 1941; M.S., Cornell Univ., 1949; Other Grad. Study. Exp.: Floorman, Lincoln Stores Inc., 1936-37; Instr., H. Schl., Goshen, N. Y., 1941-42; Instr. in Aircraft Metalwork, U.S. Navy, Norman, Okla., 1942-43; U.S.A.A.F., 1943-45; Instr. of Ind. Arts, Falconer (N.Y.) H. Schl., 1946-47; Gen. Motors Corp., 1947-48; Instr. of Ind. Arts and Supv. of Student Tchrs., State Univ. of N.Y., Tchrs. Coll., Buffalo, N. Y., 1948—. Mem.: A.A.U.P.; A.I.A.A.; A.V.A.; A.C.I.A.T.E.; N.Y.S.V.P.A.A.; Epsilon Pi Tau; Phi Delta Kappa; Assn. of N. Y. State Tchrs. Coll. Faculties; N. Y. State Tchrs. Assn.; Western N. Y. Ind. Arts Tchrs. Assn.. Areas of Splty.: Ind. Arts Edn.; Supvn.; Edn. and Voc. Guidance; Personnel Admin.; Edn. Admin.. Travel: U.S.; Europe; Iceland; Greenland; Labrador.

Avoc. Ints.: Metalcraft; Woodwork; Coin Collecting; Music Appreciation; Photo..

CAPRON, J. Hugh, Instr., State Tchrs. Coll., Winona, Minn.. b.: June 9, 1917, Lanesboro, Minn.. Married. Edn.: B.S., State Tchrs. Coll., Winona, Minn., 1940; M.S., The Stout Inst., Menomonie, Wis., 1948. Exp.: Instr., State Tchrs. Coll., Winona, Minn., 1940-43, 1946---; U.S.N., 1943-46. Mem.: Minn. Edn. Assn.; S.E. Minn. Edn. Assn.; S.E. Minn. Ind. Arts Assn.; Epsilon Pi Tau. Area of Splty.: Electricity and Electronics.

CAPUTO, Alfred A., Asst. Instr., Ind. Arts Edn., Tchrs. Coll. of Conn., New Britain, Conn.. b.: Sept. 19, 1916, Franklin, Mass.. Married. Edn.: B.S., Tchrs. Coll. of Conn., 1948; Work. on M.A., Univ. of Conn.. Exp.: Draftsman, Hartford Special Mach. Co., 1937-39; Aircraft Mech., Conn. Nat. Guard, 1939-41; Pilot, U.S.A.A.F., 1941-45; Asst. Instr., Tchrs. Coll. of Conn., 1948---. Mem.: Conn. Edn. Assn.; Central Conn. Ind. Arts Assn.; Epsilon Pi Tau; Kappa Delta Pi; Aircraft Owners and Pilots Assn.; Nat. Guard Assn.. Areas of Splty.: Power Mech.; Driver Edn.; Drafting. Travel: U.S.; North Atlantic; Caribbean. Avoc. Ints.: Flying; Shooting, six awards; Model R.R. Bldg..

CARGOL, Lawrence Hewitt, Sr., Instr., The Univ. of Houston, Houston, Texas. b.: Feb. 13, 1917, Gretna, La.. Married, two children. Edn.: B.S., Southwestern La. Inst., 1941; B.A., ibid, 1947; M.Ed., Tex. A. & M. Coll., Coll. Station, 1950. Exp.: Athletic Dir., H. Schl., New Orleans, La., 1941-42 Instr., U.S.N., 1942-45; Supv. of Ind. Edn., City Schls., Biloxi, Miss., 1947-49; Instr., Univ. of Houston, Houston, Tex., 1950—. Mem.: A.V.A.; Tex. Voc. Assn.; A.I.A.A.. Areas of Splty.: Gen. Shop; Crafts; Curr. Const.. Travel: U.S.; S. Pacific. Avoc. Ints.: Automobiles; Fishing.

CARLESEN, Darvey E., (l.p.) Asst. Prof., Univ. of Calif., Santa Barbara Coll., Santa Barbara, Calif.. b.: Feb. 16, 1913, Grantsburg, Wis.. Married, one child. Edn.: B.S., The Stout Inst., 1944; M.S., ibid, 1946; Other Grad. Work. Exp.: 10 yrs. in Commercial Printing Plants; Tchr., Pub. Schls., 1937-42; Asst. Prof., The Stout Inst., 1942-49; Asst. Prof., Dept. of Ind. Arts, Univ. of Calif., 1949---. Mem.: N.A.I.T.T.; A.V.A.; International Graphic Arts Edn. Assn.; National Assn. of Printing House Craftsmen; Epsilon Pi Tau. Areas of Splty.: Graphic Arts; Guidance. Travel: U.S.; Canada. Avoc. Ints.: Sports; Hunting; Fishing.

CARLSON, Kenneth F., Asst. Prof., Neb. State Tchrs. Coll., Kearney, Neb.. b.: July 5, 1914, Leadville, Colo.. Married, two children. Edn.:

B.S., Neb. State Tchrs. Coll., Kearney, Neb., 1936; M.A., Colo. State Coll. of Edn., Greeley, Colo., 1941. Exp.: Tchr., Ind. Arts and Math., Wood River H. Schl., Wood River, Neb., 1936-38, Prin. and Tchr., 1938-41; Tchr., Ind. Arts, Kearney H. Schl., Kearney, Neb., 1941-42; Defense Work, Drafting, 1942-45; Asst. Prof., Ind. Arts, Neb. State Tchrs. Coll., Kearney, Neb., 1945—. Mem.: N.E.A.; Local Tchrs. Coll. Edn. Assn., Past Treas.; Dist. Ind. Arts Tchrs. Assn., Past Pres.; Neb. Ind. Arts Tchrs. Assn.; Phi Delta Kappa. Areas of Splty.: Woodwork; Drafting. Travel: U.S.. Avoc. Ints.: Photo.; Fishing.

CARLSON, W. W. (l.i.), M.E., Prof., Dept. of Shop Practice, Kan. State Coll., Manhattan, Kansas.

CARLYON, Lemoine B., Asst. Prof., Kan. State Tchrs. Coll., Pittsburg, Kan.. b.: Oct. 12, 1908, Pittsburg, Kan.. Married, one child. Edn.: B.S., Kan. State Tchrs. Coll., Pittsburg, 1932; M.S., ibid, 1933. Exp.: Supv. and Instr., Ind. Edn., H. Schl., Neodesha, Kan., 1933-42; Local Supv., Nat. Defense Training, Kan. State Bd. for Voc. Edn., 1940-42; Gen. Foreman, Pratt and Whitney Aircraft Corp., 1942-45; Instr., Ind. Arts, H. Schl., Kansas City, Mo., 1945-46; Head, Metalwork and Welding Dept., Northeastern Okla. A. & M. Coll., Miami, 1946-47; Asst. Prof., Ind. Edn. Dept., Kan. State Tchrs. Coll., Pittsburg, 1947—. Publs.: Contbd. to "Ind. Edn.". Mem.: A.V.A.; N.A.I.T.T.; A.A.U.P.; A.I.A.A.; Amer. Soc. for Metals; Southeast Kan. Ind. Arts Assn., Secretary, 1937-38, Pres., 1939; Kan. Ind. Edn. Assn., Sectry., 1939-40, Pres., 1941-42; Kan. Voc. Assn.; Kan. State Tchrs. Assn.; Epsilon Pi Tau. Areas of Splty.: Gen. Shop; Metalwork; Drafting; Stud. Teaching. Travel: U.S.. Avoc. Ints.: Hunting; Fishing; Home Workshop; Travel.

CARMICHAEL, Hayden M., Instr., Fairmont State Coll., Fairmont, W. Va.. b.: Feb. 5, 1920, Burbon Co., Ky.. Married, two children. Edn.: B.S., Morehead State Coll., Morehead, Ky., 1941; M.S., The Stout Inst., Menomonie, Wis., 1948. Exp.: Tchr., Ind. Arts and Math., Man H. Schl., Man, W. Va., 1941-42; Civ. Instr., Mach. Shop, Chanute Field, Ill., 1942; U.S.A.A.F., 1942-45; Tchr., Ind. Arts, Morehead H. Schl., Morehead, Ky., 1945-46; Instr., Mach. Shop, Sheet Metal, and Welding, Fairmont State Coll., Fairmont, W. Va., 1948—. Mem.: W. Va. Ind. Arts Assn.; W. Va. State Edn. Assn.; Assn. of Higher Edn. of W. Va.; A.A.U.P.; N.A.I.T.T.; A.I.A.A.; A.V.A.; Epsilon Pi Tau. Areas of Splty.: Mach. Shop; Welding; Sheet Metal. Travel: England; Scotland; France; Germany. Avoc. Ints.: Photo.; Sports.

CARTER, E. S. (l.i.), A.M., Asst. Prof., Ind. Arts Div. of the Arts, Colo. State Coll. of Edn., Greeley, Colorado.

CARTER, Marvin L., Dir., Ind. Arts, Panhandle A. & M. Coll., Goodwell, Okla.. b.: Dec. 6, 1889, Conway, Ark.. Married, three children. Edn.: B.S., Okla. A. & M. Coll., Stillwater, Okla., 1923; M.S., Ia. State Coll., Ames, Ia., 1929. Exp.: Prin., Haskell H. Schl., Haskell, Okla., 1921-22; Dir., Ind. Arts, Panhandle A. & M. Coll., Goodwell, Okla., 1923—. Mem.: Okla. Edn. Assn., Past Dist. Rep., Ind. Div., Mem. Advisory Com. for Curr. Standardization in Okla.; Okla. Ind. Arts Assn.. Areas of Splty.: Drawing; Woodwork.

CARVER, Lowell L., Prof., Ia. State Coll., Ames, Ia.. b.: Aug. 14, 1904, Red Lake Falls, Minn.. Married, two children. Edn.: B.S., Ia. State Tchrs. Coll., Cedar Falls, Ia., 1930; M.S., Ia. State Coll., Ames, Ia., 1937; Working on Doctorate. Exp.: 9 yrs. Teaching in Pub. Schls., of Ia., Ill., Wis.; 12 yrs., Ia. State Coll., Ames, Ia.. Publs.: Contbd. to "I.A.V.E.". Mem.: A.V.A.; N.E.A.; N.A.I.T.T.; Ia. Ind. Edn. Assn.; Ia. Voc. Assn.; Ia. Edn. Assn.; Gamma Sigma Delta; Phi Delta Kappa; Phi Kappa Phi. Areas of Splty.: Method Courses; Shop Planning; Woodwork. Travel: U.S.. Avoc. Ints.: Photo.; Hunting; Fishing; Reading.

CASE, P. W., Asst. Prof. of Mfg. Processes, Purdue Univ., W. Lafayette, Indiana. b.: 1904. Married, two children. Edn.: B.S., Purdue Univ., 1940; M.S., ibid, 1945. Exp.: Consultant on Welding and Federal Prison Industries. Publs.: Welding in Secondary Edn.. Mem.: Iota Lambda Sigma; Phi Delta Kappa; A.S.M.. Areas of Splty.: Welding; Heat Treating; Forging.

CASEY, James N., Assoc. Prof. of Ind. Arts, San Jose State Coll., San Jose, Calif.. b.: Sept. 3, 1915, W. Va.. Married, one child. Edn.: B.A., Marshall Coll., 1939; M.A., Ohio State Univ., 1945; Other Grad. Study. Exp.: Pub. Schls. of W. Va., 1939-40; Exemplary Programs in Ind. Arts, Green Hill and Glendale, Ohio; San Jose State Coll., Calif., 1946—. Mem.: Epsilon Pi Tau. Areas of Splty.: Furniture Design; Drafting. Travel: Northern Hemisphere. Avoc. Ints.: Boating.

CAVALLIERE, William A., Asst. Prof. of Ind. Arts, Ariz. State Coll., Tempe, Ariz.. b.: Oct. 11, 1912, Tempe, Ariz.. Married, two children. Edn.: B.A., Ariz. State Coll., Tempe, 1937; M.A., ibid, 1948. Exp.: Tchr., Pub. Schl., Benson, Ariz., 1937-42; Tool Maker, 1942-45; Tchr., Voc. Defense Training, Tempe, Ariz., 1944; Tchr., Ariz. State Coll., Tempe, 1946—. Mem.: Amer. Assn. of Engrs.; Ariz. State Coll. Ind. Arts Alumni Assn.. Areas of Splty.: Mechanics; Electricity. Avoc. Ints.: Building; Farming.

CENTANNI, Angelo C., Instr. of Ind. Arts, San Jose State Coll., San Jose, Calif.. b.: July, 1912, Buffalo, N.Y.. Married, one child. Edn.:

B.A., San Jose State Coll., San Jose, Calif., 1948; Grad. Work. Exp.: Instr., San Jose State Coll., San Jose, Calif., 1948---; Instr., Adult Center, San Jose, Calif., 1949---. Mem.: Epsilon Pi Tau. Areas of Splty.: Drafting; Woodwork. Travel: Pacific Area. Avoc. Ints.: House Design.

CERMAK, John L., Head, Dept. of Ind. Edn., Southwestern State Coll., Weatherford, Okla.. b.: Apr. 17, 1907, Perry, Okla.. Married, one child. Edn.: B.S., Okla. A. & M. Coll., Stillwater, 1931; M.S., ibid, 1933. Exp.: Tchr., Pub. Schls., 10 yrs.; Tchr., Coll., 10 yrs.. Mem.: Okla. Ind. Arts Assn., Pres., 1949-50; Iota Lambda Sigma. Areas of Splty.: Drawing; Woodwork.

CHAMBERLAIN, Duane G., Asst. Prof., Mich. State Normal Coll., Ypsilanti, Mich.. b.: Midland, Mich.. Married, two children. Edn.: B.S., Mich. State Normal Coll., 1931; M.A., Univ. of Mich., 1940. Exp.: Bldg. Trades; Printer's Asst.; Photo-engraving; Tchr. and Prin., Pub. Schls., 1922-29; Instr. ot Ind. Arts, Mich. State Normal Coll., 1931-41, Asst. Prof. of Ind. Arts, 1941---. Publs.: General Shop Handbook, co-author, Chas. Bennett Co.; Cold Metalwork Notebook, co-author, Bruce Pub. Co.; Numerous Mag. Articles. Mem.: N.E.A.; N.A.I.T.T.; Mich. Edn. Assn.; Mich. Ind. Edn. Soc.; Phi Kappa Phi; Phi Delta Kappa; Kappa Delta Pi; Iota Lambda Sigma. Areas of Splty.: Gen. Shop; Elem. Ind. Arts; Woodwork. Travel: U.S.; Canada. Avoc. Ints.: Photo.; Boy Scouts; Boys Clubs; Travel.

CHAMPION, Wayne Edwin, Instr. of Ind. Arts, San Jose State Coll., San Jose, Calif.. b.: Oct. 3, 1920, Macomb, Ill.. Married, two children. Edn.: B.S., B.F.A., Univ. of Ill., 1943; M.A., Stanford Univ., 1948; Other Grad. Study. Exp.: Commercial Art Work, 1941-43; Naval Intelligence, 1943-46; Landing Aids Experiment Station, Arcata, Calif., 1946-48; Instr., San Jose State Coll., San Jose, Calif., 1948---. Mem.: Epsilon Pi Tau. Area of Splty.: Ind. Design. Travel: Pacific Area. Avoc. Ints.: Design; Wood Carving.

CHANEY, J. D., Instr. of Ind. Arts, Agri. and Mech. Coll. of Texas, Consolidated H. Schl., College Station, Tex.. b.: Sept. 13, 1925, Roby. Texas. Married, one child. Edn.: B.S., Agri. and Mech. Coll. of Tex., College Station, 1949. Exp.: Caddo Parish Schls., Shreveport, La., 1949-50; A. & M. Consolidated H. Schl., College Station, Tex., 1950---. Mem.: Tex. State Tchrs. Assn.; Brazos County Tchrs. Assn.. Areas of Splty.: Mech. Drawing; Woodwork; Driver Edn.. Travel: Japan; Okinawa; Iwo Jima; Tinian; Saipan. Avoc. Ints.: Hunting; Fishing; Gardening; Reading; Handicrafts.

CHANNER, E. (l.i.), M.A., Asst. Prof., Ind. Arts Dept., Western Wash. Coll. of Edn., Bellingham, Washington.

CHARNEY, Ralph F., Instr., State Tchrs. Coll., California, Pa.. b.: Nov. 27, 1916, Fayette City, Pa.. Married, one child. Edn.: B.S., State Tchrs. Coll., California, Pa., 1942. Exp.: Mach. Shop Instr., A.A.C.T.T.C., Chanute Field, Ill., 1942-44; Tool Designer, East Monongahela, Pa., 1944-46; Instr., State Tchrs. Coll., California, Pa., 1946---. Mem.: Epsilon Pi Tau; Phi Sigma Pi. Areas of Splty.: Mech. Draw.; Machine Shop. Travel: Canada; U.S.. Avoc. Ints.: Fly Tying; Fishing; Hunting.

CHATFIELD, William D., Asst. Prof., Ind. Arts Edn., Tchrs. Coll. of Conn., New Britain, Conn.. b.: Feb. 7, 1916, Slaterville Springs, N.Y.. Married, three children. Edn.: B.S., Oswego State Tchrs. Coll., 1938; M.A., N.Y. Univ., 1946; Course Work Comp. for Ph.D., Univ. of Conn.. Exp.: Tchr., Ind. Arts, Lake George, N.Y. and Kings Park, N.Y., 1938-46; Instr., Ind. Arts, Tchrs. Coll. of Conn., 1946---. Publs.: Art. and Proj. in "Ind. Arts and Voc. Edn."; "Schl. Shop". Mem.: A.I.A.A.; A.C.I.A.T.E.; Conn. Ind. Arts Assn.; Epsilon Pi Tau. Areas of Splty.: Gen. Shop; Ind. Arts in Elem. Edn.. Travel: U.S.. Avoc. Ints.: Reading; Tennis; Models.

CHAVIS, Lawrence K., Instr., Va. State Coll., Petersburg, Va.. b.: Jan. 1, 1914, Philadelphia, Pa.. Married, one child. Edn.: B.S., Univ. of Pa., 1944. Mem.: Va. Tchrs. Assn.; Old Dominion Voc. Assn.. Area of Splty.: Automotive Service. Travel: Canada; Cuba; U.S.. Avoc. Ints.: Coin Collecting; Fishing; Travel.

CHAVOUS, A. M. (l.i.), Ph.D., Prof., Div. of Ind., Central State Coll., Wilberforce, Ohio.

CHINNOCK, Dwight D., Assoc. Prof., The Stout Inst., Menomonie, Wis.. b.: May 15, 1899, River Falls, Wis.. Married, two children. Edn.: Diploma, State Tchrs. Coll., River Falls, Wis., 1923; B.S., The Stout Inst., Menomonie, Wis., 1937; M.A., Univ. of Minn., 1941. Exp.: Banking Business, 1918-21; Supv., Ind. Arts and Coach, H. Schl., Canby, Minn., 1923-25; Supv., Ind. Arts, H. Schl., Red Wing, Minn., 1925-38; Coord., Voc. Edn. and Training, Tech. H. Schl., St. Cloud, Minn., 1938-40; Instr., Metals Dept., The Stout Inst., Menomonie, Wis., 1940-46, Supv., Stud. Teaching, Ind. Edn. Div., 1946---. Mem.: N.E.A.; A.V.A.; N.A.I.T.T.; Wis. Edn. Assn.; Wis. Ind. Arts Assn.; Wis. Assn. for Voc. and Adult Edn.; Assn. for Stud. Teaching; Epsilon Pi Tau. Area of Splty.: Metalwork. Avoc. Ints.: Golf; Scouting; Football and Basketball as a Spectator.

CHRISTENSEN, L. C. (l.i.), B.A., Instr., Ind. Arts Dept., Pacific Union Coll., Angwin, California.

CHOVANEC, A. L., Asst. Prof., Univ. of Houston, Houston, Tex.. b.: July 16, 1908, Fayetteville, Tex.. Married, one child. Edn.: B.S., S.W. Tex. State Tchrs. Coll., San Marcos, 1941; M.A., ibid, 1942. Exp.: Tchr., Pub. Schls., Wharton County, Tex., 1935-41; S.W. Tex. State Tchrs. Coll., San Marcos, 1941-42; U.S.A.A.C., 1942-46; Univ. of Houston, Houston, Tex., 1946---. Mem.: A.V.A.; Tex. Voc. Assn.; Tex. State Tchrs. Assn.; Univ. of Houston Faculty Assn.. Area of Splty.: Woodwork. Avoc. Ints.: Crafts of Various Kinds.

CHRISTIANSON, Peter F., Instr., Univ. of Wyo., Laramie, Wyo.. b.: Feb. 3, 1914, Rib Lake, Wis.. Married. Edn.: B.S., The Stout Inst., 1937; M.S., ibid, 1946; Other Grad. Study. Exp.: Tchr., Pub. Schls., 1937-42; Civil Service, 1942-43; Navigation Instr., U.S.N., 1943-46; Carpentry Trade, 4 yrs. Publs.: The General Shop In the Small High School. Mem.: Epsilon Pi Tau; Phi Delta Kappa. Areas of Splty.: Carpentry; Sheet Metal. Travel: U.S. Avoc. Ints.: Photo.

CILLEY, Lawrence N., Instr., Gorham State Tchrs. Coll., Gorham, Me.. b.: June 14, 1895, Portland, Me.. Married. Edn.: Diploma, Gorham Normal Schl., 1916. Exp.: Tchr., Pub. Schls., 1916-19; Gorham State Tchrs. Coll., 1919---. Publs.: Contributed to "I.A.V.E.". Mem.: N.E.A.; Me. Ind. Arts Assn.; Me. Tchrs. Assn. Areas of Splty.: Woodwork; Drafting.

CLAGETT, R. C. (l.i.), Instr., Div. of Ind. Edn., State A. and M. Coll., Orangeburg, South Carolina.

CLARK, H. B., Asst. Prof., Western Ky. State Coll., Bowling Green, Ky.. b.: Aug. 16, 1916, Lancaster, Ky.. Married, two children. Edn.: B.S., Western Ky. State Coll., Bowling Green, 1940; M.A., ibid, 1947. Exp.: Glasgow City Schls., Glasgow, Ky., 1939-40; Louisville City Schls., Louisville, Ky., 1940; Fredericksburg City Schls., Fredericksburg, Va., 1941; Bowling Green City Schls., Bowling Green, Ky., 1941-42, 1946-48; U.S.A.A.C., 1942-46; Western Ky. State Coll., Bowling Green, 1948---. Mem.: A.I.A.A.; N.A.I.T.T.; Ky. Edn. Assn.; Ky. Edn. Assn., Ind. Arts Div.. Areas of Splty.: Mech. Drawing; Woodwork; Auto Mechs.; Supvn. of Stud. Tchrs.. Travel: U.S.; Southwest Pacific; Far West Pacific; Japan.

CLARK, Harlan D., Asst. Prof., Ind. Arts Edn., Coll. of Edn., Univ. of Ala., Univ., Ala.. b.: 1913, Ala.. Married, two children. Edn.: B.S., Univ. of Ala., 1938; M.A., Columbia Univ., 1940; Ed.D., ibid, 1950. Exp.: Tuscaloosa H. Schl., 1937-39; Lincoln Schl. of Tchrs., N.Y.,

1939-40; Univ. of Ala., 1940—. Mem.: Phi Delta Kappa; Iota Lambda Sigma; Ala. Ind. Arts Tchrs., Pres.; A.E.A.; A.A.U.P.. Areas of Splty.: Ind. Arts Edn.; Art Edn..

CLARK, L. C. (l.i.), M.S., Asst. Prof., Dept. of Ind. Edn., Tenn. A. and I. State Coll., Nashville, Tennessee.

CLEAVER, A. G., Instr., Prairie View Agri. and Mech. Coll., Prairie View, Texas. b.: Oct. 23, 1888, Nacogdoches, Texas. Married, seven children. Edn.: Diploma, Prairie View A. & M. Coll., 1911. Exp.: D.D.B. Inst., Austin, Texas, 1911-21; Prairie View A. & M. Coll., 1926—. Mem.: Natl. Tchrs. Assn.; State Tchrs. Assn. Area of Splty.: Broom and Mattress Making. Travel: Mexico. Avoc. Ints.: Real Estate.

CLELLAND, W. (l.i.), B.S., Instr., Ind. Edn., Md. State Coll., Princess Anne, Maryland.

CLIFTON, J. P. (l.i.), B.S., Asst. Prof., Dept. of Shop Practice, Kan. State Coll., Manhattan, Kansas.

COLE, Duane R., Asst. Prof., N.E. Mo. State Tchrs. Coll., Kirksville, Mo.. b.: June 5, 1918, Adair County, Mo.. Married, one child. Edn.: B.S., N.E. Mo. State Tchrs. Coll., Kirksville, 1939; M.S., Ia. State Coll., 1948. Exp.: Ind. Drafting, 1942-45; Tchr. Edn., 4 yrs.; Pub. Schl. Teaching, 7 yrs.. Mem.: Mo. Ind. Edn. Assn.. Area of Splty.: Drafting. Avoc. Ints.: Sports; Outdoor Life.

COLE, Sheldon W., Instr., Fla. A. & M. Coll., Tallahassee, Fla.. b.: Mar. 13, 1926, Havre de Grace, Md.. Married. Edn.: B.S., Md. State Coll., Princess Anne, 1947; M.A., N.Y. Univ., 1951. Exp.: Metallurgical Asst., 1948; Md. Pub. Schls., 1947; Fla. A. & M. Coll., Tallahassee, 1951—. Publs.: Contbd. to "I.A.V.E.". Mem.: N.E.A.; A.I.A.A.; A.V.A.; A.C.I.A.T.E.; Fla. State Tchrs. Assn.; Fla. Voc. and Prac. Arts Assn.. Areas of Splty.: Ind. Arts Educ.; Admin. and Supvn. of Ind. Arts Edn.. Avoc. Ints.: Handcrafts.

COLEMAN, J. J. (l.i.), B.S., Instr., Ind. Arts Edn., Agricultural, Mechanical, and Normal Coll., Pine Bluff, Ark..

COLLINS, R. B. (l.i.), B.S., Asst. Prof., Ind. Edn. Dept., Tuskegee Inst., Tuskegee Inst., Alabama.

COLLINS, R. L. (l.i.), Ind. Supt. of Press, Ind. Arts Dept., Walla Walla Coll., College Place, Washington.

COLLINS, Samuel R., Instr., Prairie View Agri. and Mech. Coll., Prairie View, Texas. b.: May 12, 1921, Port Arthur, Texas. Married, one child. Edn.: B.S., Prairie View A. & M. Coll., 1949. Exp.: Plumber,

CHRISTENSEN, L. C. (l.i.), B.A., Instr., Ind. Arts Dept., Pacific Union Coll., Angwin, California.

CHOVANEC, A. L., Asst. Prof., Univ. of Houston, Houston, Tex.. b.: July 16, 1908, Fayetteville, Tex.. Married, one child. Edn.: B.S., S.W. Tex. State Tchrs. Coll., San Marcos, 1941; M.A., ibid, 1942. Exp.: Tchr., Pub. Schls., Wharton County, Tex., 1935-41; S.W. Tex. State Tchrs. Coll., San Marcos, 1941-42; U.S.A.A.C., 1942-46; Univ. of Houston, Houston, Tex., 1946---. Mem.: A.V.A.; Tex. Voc. Assn.; Tex. State Tchrs. Assn.; Univ. of Houston Faculty Assn.. Area of Splty.: Woodwork. Avoc. Ints.: Crafts of Various Kinds.

CHRISTIANSON, Peter F., Instr., Univ. of Wyo., Laramie, Wyo.. b.: Feb. 3, 1914, Rib Lake, Wis.. Married. Edn.: B.S., The Stout Inst., 1937; M.S., ibid, 1946; Other Grad. Study. Exp.: Tchr., Pub. Schls., 1937-42; Civil Service, 1942-43; Navigation Instr., U.S.N., 1943-46; Carpentry Trade, 4 yrs. Publs.: The General Shop In the Small High School. Mem.: Epsilon Pi Tau; Phi Delta Kappa. Areas of Splty.: Carpentry; Sheet Metal. Travel: U.S. Avoc. Ints.: Photo.

CILLEY, Lawrence N., Instr., Gorham State Tchrs. Coll., Gorham, Me.. b.: June 14, 1895, Portland, Me.. Married. Edn.: Diploma, Gorham Normal Schl., 1916. Exp.: Tchr., Pub. Schls., 1916-19; Gorham State Tchrs. Coll., 1919---. Publs.: Contributed to "I.A.V.E.". Mem.: N.E.A.; Me. Ind. Arts Assn.; Me. Tchrs. Assn. Areas of Splty.: Woodwork; Drafting.

CLAGETT, R. C. (l.i.), Instr., Div. of Ind. Edn., State A. and M. Coll., Orangeburg, South Carolina.

CLARK, H. B., Asst. Prof., Western Ky. State Coll., Bowling Green, Ky.. b.: Aug. 16, 1916, Lancaster, Ky.. Married, two children. Edn.: B.S., Western Ky. State Coll., Bowling Green, 1940; M.A., ibid, 1947. Exp.: Glasgow City Schls., Glasgow, Ky., 1939-40; Louisville City Schls., Louisville, Ky., 1940; Fredericksburg City Schls., Fredericksburg, Va., 1941; Bowling Green City Schls., Bowling Green, Ky., 1941-42, 1946-48; U.S.A.A.C., 1942-46; Western Ky. State Coll., Bowling Green, 1948---. Mem.: A.I.A.A.; N.A.I.T.T.; Ky. Edn. Assn.; Ky. Edn. Assn., Ind. Arts Div.. Areas of Splty.: Mech. Drawing; Woodwork; Auto Mechs.; Supvn. of Stud. Tchrs.. Travel: U.S.; Southwest Pacific; Far West Pacific; Japan.

CLARK, Harlan D., Asst. Prof., Ind. Arts Edn., Coll. of Edn., Univ. of Ala., Univ., Ala.. b.: 1913, Ala.. Married, two children. Edn.: B.S., Univ. of Ala., 1938; M.A., Columbia Univ., 1940; Ed.D., ibid, 1950. Exp.: Tuscaloosa H. Schl., 1937-39; Lincoln Schl. of Tchrs., N.Y.,

1939-40; Univ. of Ala., 1940—. Mem.: Phi Delta Kappa; Iota Lambda Sigma; Ala. Ind. Arts Tchrs., Pres.; A.E.A.; A.A.U.P.. Areas of Splty.: Ind. Arts Edn.; Art Edn..

CLARK, L. C. (l.i.), M.S., Asst. Prof., Dept. of Ind. Edn., Tenn. A. and I. State Coll., Nashville, Tennessee.

CLEAVER, A. G., Instr., Prairie View Agri. and Mech. Coll., Prairie View, Texas. b.: Oct. 23, 1888, Nacogdoches, Texas. Married, seven children. Edn.: Diploma, Prairie View A. & M. Coll., 1911. Exp.: D.D.B. Inst., Austin, Texas, 1911-21; Prairie View A. & M. Coll., 1926—. Mem.: Natl. Tchrs. Assn.; State Tchrs. Assn. Area of Splty.: Broom and Mattress Making. Travel: Mexico. Avoc. Ints.: Real Estate.

CLELLAND, W. (l.i.), B.S., Instr., Ind. Edn., Md. State Coll., Princess Anne, Maryland.

CLIFTON, J. P. (l.i.), B.S., Asst. Prof., Dept. of Shop Practice, Kan. State Coll., Manhattan, Kansas.

COLE, Duane R., Asst. Prof., N.E. Mo. State Tchrs. Coll., Kirksville, Mo.. b.: June 5, 1918, Adair County, Mo.. Married, one child. Edn.: B.S., N.E. Mo. State Tchrs. Coll., Kirksville, 1939; M.S., Ia. State Coll., 1948. Exp.: Ind. Drafting, 1942-45; Tchr. Edn., 4 yrs.; Pub. Schl. Teaching, 7 yrs.. Mem.: Mo. Ind. Edn. Assn.. Area of Splty.: Drafting. Avoc. Ints.: Sports; Outdoor Life.

COLE, Sheldon W., Instr., Fla. A. & M. Coll., Tallahassee, Fla.. b.: Mar. 13, 1926, Havre de Grace, Md.. Married. Edn.: B.S., Md. State Coll., Princess Anne, 1947; M.A., N.Y. Univ., 1951. Exp.: Metallurgical Asst., 1948; Md. Pub. Schls., 1947; Fla. A. & M. Coll., Tallahassee, 1951—. Publs.: Contbd. to "I.A.V.E.". Mem.: N.E.A.; A.I.A.A.; A.V.A.; A.C.I.A.T.E.; Fla. State Tchrs. Assn.; Fla. Voc. and Prac. Arts Assn.. Areas of Splty.: Ind. Arts Educ.; Admin. and Supvn. of Ind. Arts Edn.. Avoc. Ints.: Handcrafts.

COLEMAN, J. J. (l.i.), B.S., Instr., Ind. Arts Edn., Agricultural, Mechanical, and Normal Coll., Pine Bluff, Ark..

COLLINS, R. B. (l.i.), B.S., Asst. Prof., Ind. Edn. Dept., Tuskegee Inst., Tuskegee Inst., Alabama.

COLLINS, R. L. (l.i.), Ind. Supt. of Press, Ind. Arts Dept., Walla Walla Coll., College Place, Washington.

COLLINS, Samuel R., Instr., Prairie View Agri. and Mech. Coll., Prairie View, Texas. b.: May 12, 1921, Port Arthur, Texas. Married, one child. Edn.: B.S., Prairie View A. & M. Coll., 1949. Exp.: Plumber,

4 yrs.; Instr. of Plumbing, Prairie View A. & M. Coll., 1949—. Areas of Splty.: Plumbing; Sheet Metal. Travel: U.S.; S. Pacific Area. Avoc. Ints.: Social and Religious Groups.

COLTHARP, R. J., Prof. and Head Ind. Arts Dept., Memphis State Coll., Memphis, Tenn.. b.: Feb. 2, 1901, Manhattan, Kan.. Married. Edn.: A.B., Westmar Coll., Le Mars, Iowa, 1928; M.S., Kan. State Tchrs. Coll., Pittsburg, 1938. Exp.: Carpenter, 1924-26; N.Y.A., 1939-40; Production Control, Bell Aircraft Co., 1941-44. Publications: Contributed to the following magazines: "Ind. Edn.", "Schl. Shop", "I.A.V.E.", "Popular Home Craft", "Tenn. Tchr.". Mem.: N.E.A.; A.I.A.A.; A.V.A.; Tenn. Voc. Assn.. Areas of Splty.: Woodwork; Drafting; Philosophy. Avoc. Ints.: Gardening; Fishing; Ceramics.

CONNALLY, C. H., Instr., E. Tex. State Tchrs. Coll., Commerce, Tex.. b.: June 8, 1916, Windom, Tex.. Married, one child. Edn.: B.S., E. Tex. State Tchrs. Coll., Commerce, 1937; M.S., ibid, 1947. Exp.: Ind. Edn. Tchr., Lamar County, Tex., 1935-37, Overton, Tex., 1938-41; Instr., U.S.N., Norman, Okla., 1942-43; Instr., U.S. Army, Laredo, Texas, 1943-45; Ind. Edn. Tchr., Van Pub. Schls., 1945-46; Instr., E. Texas State Tchrs. Coll., Commerce, 1947—. Publs.: Contbd. to "I.A.V.E."; "Tex. Outlook". Mem.: A.V.A.; Tex. Voc. Assn.; Tex. State Tchrs. Assn.; E. Tex. Ind. Edn. Assn.; E. Tex. Coll. Classroom Tchrs. Assn.. Area of Splty.: Handicrafts. Travel: U.S.; Mexico. Avoc. Ints.: Handicrafts; Fishing; Reading.

COOK, Clarence A., Asst. Prof., State Univ. of N. Y., Tchrs. Coll., Buffalo, N. Y.. b.: Feb. 28, 1909, Buffalo, N. Y.. Married, one child. Edn.: B.S., N.Y. State Tchrs. Coll., Buffalo, 1933; M.S., Cornell Univ., 1950; Other Grad. Study. Exp.: Ind. Arts Tchr., Pub. Schls., 1933-44; Supvr. of Ind. Edn., N. Y. State Dept. of Edn., 1944-46; Chief, Voc. Rehab. Div., Vet. Admin., 1946-48; Edn. Consultant, Bell Aircraft Co.. Mem.: Epsilon Pi Tau; N.Y.S.V.P.A.A.; A.A.U.P.; Phi Delta Kappa. Areas of Splty.: Electronics; Electricity; Ind. Supervisory Training. Avoc. Ints.: Photo.; Amateur Radio.

COOKE, Garland A., Assoc. Sr. Instr., Hampton Inst., Hampton, Va.. b.: Aug. 22, 1913, Gloucester, Va.. Married. Edn.: Diploma, Hampton Inst., Hampton, Va., 1940; B.S., ibid, 1947. Exp.: Maintenance, Hampton Inst., Hampton, Va., 1941-42, 1947-48; Instr., Painting and Decorating, Hampton Inst., Hampton, Va., 1949—. Mem.: Va. Tchrs. Assn.. Areas of Splty.: Painting; Decorating. Travel: S. Pacific; U.S.. Avoc. Ints.: Experimenting With Colors and Paints.

COOPER, William N., Asst. Prof., Va. State Coll., Petersburg, Va..

b.: Apr. 2, 1914, Royal Oak, Md.. Edn.: B.S., Hampton Inst., 1935; M.Ed., Pa. State Coll., 1946. Exp.: Ind. Arts Tchr., Pub. Schls., 1935-43; Civ. Radio Mech., 1943-46; Asst. Prof. of Radio, Va. State Coll., 1946—. Mem.: A.V.A.; Old Dominion Voc. Assn.; Va. Tchrs. Assn.; Sigma Pi Sigma. Areas of Splty.: Radio; Electronics. Avoc. Ints.: Drama; Y.M.C.A. Work.

COOPER, William S., Asst. Prof., Va. State Coll., Petersburg, Va.. b.: Sept. 29, 1905, Baltimore, Md.. Married, one child. Edn.: B.S., Shaw Univ., 1932; M.A., N. Y. Univ., 1946. Exp.: Barber, 1933-37; Substitute Tchr., 1937-39; Instr. in Barbering, Va. State Coll., 1940-47, Asst. Prof., 1947—. Mem.: A.A.U.P.; Assoc. Master Barbers and Beauticians of Amer.; Amer. Tchrs. Assn.; Va. Tchrs. Assn.; Va. Conf. of Sci. and Math. Tchrs.. Area of Splty.: Barbering. Avoc. Ints.: Scouting; Y.M.C.A.; Bridge.

COOVER, Shriver L., Dir., Ind. Arts Edn., State Tchrs. Coll., California, Pa.. b.: Dec. 27, 1902, Shippensburg, Pa.. Married, one child. Edn.: B.S., Geneva Coll., 1926; M.A., Univ. of Pittsburg, 1930; Ed.D., ibid, 1941. Exp.: Univ. of Pittsburg, Part Time, 1940-43, 1948-51; Northwestern Univ., Summer, 1941; Tech. Univ. of Santa Maria, Valparaiso, Chile, Summers, 1946, 1948; Univ. of Concepcion, Concepcion, Chile, Summer, 1947; Colo. A. & M. Coll., Summer, 1949; State Tchrs. Coll., California, Pa., 1930-45, 1948—. Publs.: Workbook in Mech. Draw., 1947; Metalworking Projects and Processes, 1949; Ind. Arts for the Sec. Schls., 1939, co-author. Mem.: Pa. State Edn. Assn.; N.E.A.; Pa. Voc. Assn.; Nat. Voc. Tchr. Trainers Assn.; Phi Delta Kappa; Phi Sigma Pi; Epsilon Pi Tau; Iota Lambda Sigma; A.V.A.; A.C.I.A.T.E.. Areas of Splty.: Ind. Arts Edn.; Voc. Edn.; Psychology. Travel: Went to S. Amer., Dec., 1945, to help reorganize the sec. schl. curr. of Chile. Was dir. of the group and worked with the Chilean Minister of Edn., until completion of program in 1948.; Panama; Peru; Bolivia; Argentina. Avoc. Ints.: Photo..

COPELAND, Oscar S., Instr., Southern Univ. and A. & M. Coll., Baton Rouge, La.. b.: Dec. 11, 1920, Mansfield, La.. Married. Edn.: B.S., Tuskegee, Inst., 1947; M.S., Bradley Univ., 1952. Exp.: U.S. Army, 1943-46. Mem.: La. Edn. Assn.. Areas of Splty.: Engine Tune-up; Brake Spec.; Transmission and Drive System; Painting; Engine Rebuilding. Travel: N. Africa; Italy; Philippines; Japan. Avoc. Ints.: Leathercraft; Elect. Appliances; Private Pilot.

CORNWELL, Raymond L., Instr. of Graphic Arts and Printing, The Stout Inst., Menomonie, Wis.. b.: Jan. 23, 1921, Corvallis, Oregon.

Married, two children. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1949; M.S., ibid, 1952. Exp.: Apprentice and Journeyman Printer, 1931—; Elem. Tchr., 1941-43; USAAF Adv. Flying Instr., 1944-45; Ind. Arts Tchr., H. Schl., 1949-51; Instr. of Graphic Arts and Printing, The Stout Inst., 1951—. Mem.: N.E.A.; Wis. Graphic Arts Edn. Assn.; Wis. Edn. Assn.; Epsilon Pi Tau; Wis. Dept. of Audio-Visual Instruction of the N.E.A.. Areas of Splty.: Printing and Graphic Arts Edn.; Audio-Visual Edn.. Travel: U.S.. Avoc. Ints.: Photo.; Bookbinding; Home Shop.

COTTON, E. B. (l.i.), B.S., Ind. Arts Dept., Dixie Coll., St. George, Utah.

COTTON, James A., Sr. Instr., Hampton Inst., Hampton, Va.. b.: Feb. 14, 1902, Norfolk, Va.. Married. Edn.: Diploma and Trade Certif., Hampton Inst., Hampton, Va., 1927; B.S., Va. State Coll., Petersburg, 1939; M.A., N.Y. Univ., 1946. Exp.: Teaching, Hampton Inst., Hampton, Va., 1927-30, 1945—; Teaching, Va. State Coll., Petersburg, 1930-45. Mem.: Va. State Tchrs. Assn.; Old Dominion Voc. Assn.; Custom Tailors and Designers Assn. of Amer., Inc.; Assn. of Coll. and Univ. Profs.. Area of Splty.: Tailoring and Designing Textiles. Travel: U.S.. Avoc. Ints.: Photo..

COURTNEY, Mahlon C., Head, Engrn. and Ind. Arts, Murray State Schl. of Agri., Tishomingo, Okla.. b.: Mar. 1, 1895, Iowa. Married, one child. Edn.: B.S., Okla. A. & M. Coll., 1921; Grad. Study. Exp.: Ind. Arts, H. Schl., 1921-25; Prod. Mgr., 1926-31; Murray State Schl. of Agri., 1931—. Mem.: N.E.A.; N.I.A.; N.V.A.. Areas of Splty.: Drafting; Metalwork. Travel: U.S.; France. Avoc. Ints.: Aiding communities in supvn. of residence building.

COUSINS, M. L. (l.i.), Instr., Dept. of Ind. Edn., The A. and T. Coll. of N.C., Greensboro, North Carolina.

COWIN (l.i.), Ind. Arts Dept., Walla Walla Coll., College Place, Wash..

COX, George B., Prof., Head, Dept. of Ind. Arts Edn., Ore. State Coll., Corvallis, Ore.. b.: Sept. 24, 1896, New Franklin, Mo.. Married, two children. Edn.: B.S., Univ. of Mo., Columbia, 1919; M.S., Ore. State Coll., Corvallis, 1940. Exp.: Stud. Asst., Univ. of Mo., 1916-18, Instr., Ind. Arts, 1918-19; Head, Ind. Arts Dept., Pub. Schls., Orange, Tex., 1919-20; Sam Houston Tchrs. Coll., Huntsville, Tex., 1920-21; Asst. Prof. of Ind. Arts, Univ. of Wis., 1921-27; Prof., Head, Ind. Arts and Ind. Engrn. Dept., Ore. State Coll., Corvallis, 1927—. Publs.: "Methods and Materials of Inst. in H. Schl. Manual Arts Courses", U.S. Bureau of Edn.; Essentials of Woodworking, co-author; Carpentry, co-

author; Woodwork for Beginners, co-author; Woodwork for Sec. Schls., co-author; "Ind. Arts for Ore. Sec. Schls.", Chair. of Com., Editor, and Principal Author; Contbd. to the following mags.: "Ind. Edn."; "Ore. State Tech. Record"; "Welding Mag."; "Ore. Edn. Jour."; "I.A.V.E."; "A.V.A.—News Bull."; Others. Mem.: A.V.A.; Ind. Arts Ind. Arts Advisory Bd., 1932-35; N.A.I.T.T., Bd. of Dirs., 1940, V. Pres., 1941, Bd. Mem., 1950-52; A.V.A., Ind. Arts Policies and Planning Com., 1949-52; A.I.A.A.; A.C.I.A.T.E.; N.E.A.; Amer. Assn. of Schl. Admins.; Amer. Soc. for Engr. Edn.; Epsilon Pi Tau, Laureate Mem.. Areas of Splty.: Profnl. Courses; Schl. Shop Planning. Travel: U.S.. Avoc. Ints.: Photo.; Travel; Outdoor Sports; Crafts.

COX, Sam J., Asst. Prof., Mont. State Coll., Bozeman, Mont.. b.: Sept. 5, 1891, Hamilton, Mo.. Married, two children. Edn.: Attended N.W. Tchrs. Coll., Maryville, Mo., The Stout Inst., Univ. of Wis., and Iowa State Coll. Exp.: Instr., Ind. Arts, H. Schl., 1917; Military, 1918-19; Prin. and Supvr., Pub. Schls., Bozeman, Mont., 1921-47; Mont. State Coll., Bozeman, 1948—.

CRAM, Clarence P., Instr., Westmar Coll., Le Mars, Iowa. b.: July 13, 1921, Des Moines, Iowa. Married, three children. Edn.: B.S., State Tchrs. Coll., Dickinson, N.D., 1948; M.A., Colo. State Coll. of Edn., 1949. Exp.: Instr., Westmar Coll., 1948—. Mem.: A.I.A.A.. Areas of Splty.: Woodwork; Metal Craft. Travel: England; China; India; Egypt. Avoc. Ints.: Music; Amateur Astronomy; Telescope Making.

CRANE, B. W., Instr., W. Va. Inst. of Tech., Montgomery, W. Va.. b.: Jan. 10, 1903, Kieffer, W. Va.. Married, 8 children. Edn.: No Degree. Exp.: Machinist, Welder, and Mechanic, 1926-42; Instr., W. Va. Inst. of Tech., 1942—. Mem.: A.I.A.A.; Epsilon Pi Tau. Areas of Splty.: Auto Mechanics; Welding; Machine Shop; Electricity. Avoc. Ints.: Firearms; Shop Work; Boating.

CRAVER, John E., Instr., Ind. Edn., Pacific Union Coll., Angwin, Calif.. b.: Aug. 9, 1913, Stockton, Calif.. Married. Edn.: A.B., Pacific Union Coll., 1937; Grad. study Oregon State Coll., SS, 1951-52. Exp.: Instr., Science, Math., Kern Academy, Calif., 1937-38; Instr., Math., Ind. Arts, Lynwood Academy, Calif., 1938-39; Instr., Ind. Edn. Pacific Union Coll., 1939—. Area of Splty.: Metalwork (Machine Shop); Electrical (Ind. Arts Elect., Voc. Elect.). Avoc. Ints.: Photo.

CRAWFORD, H. W. (l.i.), M.A., Dean and Prof., Div. of Ind. Edn., State A. and M. Coll., Orangeburg, South Carolina.

CROFUT, Francis, Asst. Prof. of Ind. Arts, San Jose State Coll., San

Jose, Calif.. b.: 1912. Married, two children. Edn.: B.A., San Jose State Coll., San Jose, Calif., 1946. Exp.: Instr., San Jose State Coll., San Jose, Calif., 1946—; Pub. Schl. Teaching, 5 yrs.. Mem.: Epsilon Pi Tau. Areas of Splty.: Watchmaking; Gemology. Travel: Northern Hemisphere. Avoc. Ints.: Chess.

CROOKSHANK, C. C., Asst. Prof., Bradley Univ., Peoria, Ill.. b.: Nov. 16, 1907, Mattoon, Ill.. Married, four children. Edn.: B.S., Bradley Univ., 1930; M.A., Columbia Univ., 1933. Exp.: Tchr., Pub. Schls., 1930-39; Toolmaker, 1939-44; U.S.N., 1944-46; Tchr., Coll. Level, 1946—. Mem.: Phi Sigma Pi. Areas of Splty.: Metalwork; Automotives; Voc. Edn.. Travel: U.S..

CROSBY, Edmund D., Instr., Ia. State Tchrs. Coll., Cedar Falls, Iowa. b.: Feb. 23, 1909, Wakefield, Mich.. Married, one child. Edn.: B.A., West. Mich. Coll. of Edn., 1934; M.A., Colo. A. & M. Coll., Ft. Collins, Colo., 1941. Exp.: Wayne Co. Trng. Schl., Northville, Mich., 1935-41; Kan. Pub. Schls., Kan. City, Mo., 1941-42; Edison Inst. H. Schl., Dearborn, Mich., 1942-43, 1945-47; U.S.N., 1943-45; Ia. State Tchrs. Coll., Cedar Falls, Ia., 1947—. Mem.: Phi Delta Kappa; A.I.A.A.; I.I.A.A.; Epsilon Pi Tau; Iota Lambda Sigma. Areas of Splty.: Graphic Arts; Photo.. Travel: England; Italy; U.S.. Avoc. Ints.: Photo.; Gardening.

CROSSMAN, Richard L., (l.p.) Instr., Ind. Arts, Ia. State Tchrs. Coll., Cedar Falls, Ia.. b.: Mar. 5, 1919, Groton, S.C.. Married, three children. Edn.: B.S., Univ. of N.D.; 1941; M.S., ibid, 1949. Exp.: Tchr., Ind. Arts, H. Schl., Ottosen, Ia., 1941-42; Tchr., Ind. Arts and Aero., H. Schl., Truman, Minn., 1942-43; Goldsmithing, Stone Setter, Dakota Keystone Jewelers, 1946-47; Tchr., H. Schl., Grand Forks, N.D., 1947-49; Instr., Ind. Arts, Ia. State Tchrs. Coll., 1949—. Mem.: Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Transportation; Home Appliances. Travel: Italy; France; Switzerland; Germany; Canada; Mexico; U.S.. Avoc. Ints.: Jewelry; Hunting; Fishing; Civic Affairs.

CROWDER, D. S. (l.i.), Sr. Tech., Dept. of Ind. Edn., Tenn. A. and I. State Coll., Nashville, Tennessee.

CROZIER, David, W., Instr., Northwest Mo. State Coll., Maryville, Mo.. b.: April 25, 1917, Waterloo, Iowa. Married, two children. Edn.: B.S., Northwest Mo. State Coll., Maryville, 1940; M.Ed., Colo. Agri. and Mech. Coll., Fort Collins, 1950. Exp.: Instr. and Supervising Tchr. of Ind. Arts, Northwest Mo. State Coll., Maryville, 1940—; Armed Forces, 1943-45. Mem.: N.E.A.; Mo. State Tchrs. Assn.. Areas of Splty.: Woodwork; Crafts; Gen. Shop. Travel: U.S.; Canada. Avoc. Ints.: Reading; Sports.

CRUTCHFIELD, Rucker C., Jr., Assoc. Sr. Instr., Hampton Inst., Hampton, Va.. b.: Aug. 5, 1913, Newport News, Va.. Married, three children. Edn.: B.S., Hampton Inst., Hampton, Va., 1937. Exp.: Instr., Trowel Trades, Atkins H. Schl., Winston Salem, N.C., 1937-40; Const. Foreman, U.S. Naval Installations, 1941-45; Instr., Masonry and Ceramics, Huntington H. Schl., Newport News, Va., 1946-47; Acme Const. Co., Newport News, Va., 1947-49; Assoc. Sr. Instr., Bricklaying and Trowel Trades, Hampton Inst., Hampton, Va., 1950—. Mem.: N.E.A.; Nat. Tech. Assn.; Old Dominion Voc. Assn.. Areas of Splty.: Bricklaying; Masonry; Ornamental Concrete. Travel: U.S.. Avoc. Ints.: Ornamental Concrete; Waterproofing Concrete.

CULLERS, J. E. (l.i.), M.A., Div. of Ind. Edn., Eastern Okla. A. & M. Coll., Wilburton, Okla..

CUNNINGHAM, Beryl M., Asst. Prof. of Ind. Arts, Bradley Univ., Peoria, Ill.. b.: Sept. 9, 1901, Rinard, Ill.. Married, two children. Edn.: B.S., Bradley Univ., Peoria, Ill., 1927; M.A., Ohio State Univ., 1934; Ed.D., Bradley Univ., 1952. Exp.: Ind. Arts Tchr., Public Schls., 1927-38; Head of Wood and Carpentry Dept., Wm. R. Moore Schl. of Technology, Memphis, Tenn., 1938-46; Bradley Univ., 1946—. Mem.: A.V.A.; A.I.A.A.; Phi Sigma Pi; Phi Delta Kappa. Areas of Splty.: Wood Technology; Ind. Edn..

CURRY, M. B. (l.i.), Instr., Ind. Arts Edn., Agricultural, Mechanical, and Normal Coll., Pine Bluff, Arkansas.

CUTLER, Laurence G., Asst. Prof., Kan. State Tchrs. Coll., Pittsburg, Kan.. b.: Mar. 22, 1904, Finley, Ohio. Married. Edn.: B.S., Univ. of Kan., 1927; M.S., Kan. State Tchrs. Coll., 1948. Exp.: Univ. of Kan. Press, 1922-27; Delaware Ledger, Newark, 1927-29; Messenger Print. Co., Caldwell, Kan., 1929-31; Kan. State Tchrs. Coll., 1935—, Publs.: Contbr.: "Inland Printer"; "Educational Leader." Mem.: Epsilon Pi Tau; Sigma Delta Chi; A.V.A.; K.V.A.; K.T.A.; Inter. Typographical Union. Area of Splty.: Printing. Travel: U.S.; Mexico. Avoc. Ints.: Collecting Amer. Pressed Glass and Period Furniture.

DACE, F. E., Prof. of Electrical Engrn. and Assoc. Dean, Bennett Coll., Bradley Univ., Peoria, Ill.. b.: Nov. 3, 1889, Rushville, Ill.. Married, two children. Edn.: B.S., Univ. of Ill., 1914; E.E., ibid, 1925. Exp.: Plant Elect. Engr., 1919-21; Head, Dept. of Elect., Bennett Coll., Bradley Univ., 1921—. Publs.: Direct Current Electricity; Alternating Current Electricity; Several magazine articles. Mem.: Ill. Voc. Assn.; I.E.S.; A.I.E.E.. Area of Splty.: Electricity. Avoc. Ints.: Astronomy.

DALES, Edward L., Assoc. Prof. and Head, Dept. of Ind. Arts, Eastern Wash. Coll. of Edn., Cheney, Wash.. b.: Sept. 13, 1888, N.D.. Married, one child. Edn.: Diploma, Normal Ind. Coll., Ellendale, N.D., 1909; B.S., Univ. of Wis.. Exp.: Tchr., Pub. Schls. of Minn. and Wash., 1909-17; Dir. of Ind. Arts, Eastern Wash. Coll. of Edn., 1917—. Mem.: N.A.I.T.T.; Wash. Ind. Arts Assn.; Wash. Edn. Assn.; Inland Empire Tchrs. Edn. Assn., Ind. Arts Sect.; Epsilon Pi Tau; Phi Delta Kappa. Areas of Splty.: Drawing; Woodwork; Organization and History. Travel: U.S.; Canada. Avoc. Ints.: Gardening; Photo.; Golf; Fishing.

DALTON, Francis W., Lecturer in Voc. Edn., Univ. of Mich., Ann Arbor, Mich.. b.: Mar. 15, 1891, Leland, Mich.. Married. Edn.: A.B., Central State Tchrs. Coll., Mich., 1923; M.A., Univ. of Mich., 1933; Ph.D , ibid, 1937. Exp.: Prin., Supt., and Asst. Prin., Pub. Schls. of Mich., 1917-23; Research Asst., Univ. of Mich., 1931-36; Dir. of App. and Co-op. Training, Lapeer, Mich., 1936-37; Asst. State Supv. of T. & I. Edn., Mich., 1937-38, Chief Supv., 1939-41; Lecturer in Voc. Edn., Univ. of Mich., 1941—. Publs.: Monographs on Labor Laws and Fire Fighting. Mem.: A.V.A.; N.A.I.T.T.; A.I.A.A.; Mich. Edn. Assn.; Mich. Ind. Edn. Soc.; Phi Delta Kappa. Areas of Splty.: Ind. Arts; Voc. Edn.. Travel: United States.

DALTON, Philip H., Assoc. Prof. of Ind. Arts, Middle Tenn. State Coll., Murfreesboro, Tenn.. b.: Feb. 16, 1903, Celina, Tenn.. Married, one child. Edn.: B.S., Middle Tenn. State Coll., Murfreesboro, Tenn., 1938; M.S., Univ. of Tenn., Knoxville, Tenn., 1943. Exp.: Carpenter and Mill Work, 1923-38; Tchr., Ind. Arts, 1938-46; Instr., Woodwork, Tchr. Training, 1946—. Mem.: A.I.A.A.; N.E.A.;A.A.U.P.; Tenn. Ind. Arts Roundtable; Tenn. Edn. Assn.. Areas of Splty.: Cabinet Making; Mech. Drawing. Avoc. Ints.: Reading; Gardening.

DANIEL, Benge R., Asst. Prof., E. Tex. State Tchrs. Coll., Commerce, Tex.. b.: Feb. 18, 1911, Gainesville, Tex.. Married, two children. Edn.: B.S., N. Tex. State Coll., 1936; M.S., ibid, 1940. Exp.: Asst. Instr., N. Tex. State Coll., Denton, 1937-39; Asst. Prof., E. Tex. State Tchrs. Coll., Commerce, 1939—. Publs.: Various mag. articles. Mem.: A.A.U.P.; A.V.A.; N.A.I.T.T.; A.I.A.A.; Tex. Voc. Assn.; Tex. State Tchrs. Assn., Sectry., Ind. Arts Sect.; Tex. Coll. Classroom Tchrs. Assn.; E. Tex. Ind. Arts Assn.. Areas of Splty.: Printing; Crafts, Elem. Ind. Arts. Avoc. Ints.: Printing Equipment; Small Home Architecture.

DANNE, Eldon W., Prof., Westmar Coll., Le Mars, Ia.. b.: Feb. 22, 1907, Le Mars, Ia.. Married, one child. Edn.: B.A., Westmar Coll., 1928; M.A., Colo. State Coll. of Edn., 1942. Exp.: Newell H. Schl.,

Newell, Ia., 1928-33; Lytton H. Schl., Lytton, Ia., 1933-37; Meriden H. Schl., Meriden, Ia., 1938-42; Westmar Coll., 1942—. Publs.: Comm. Mem., Iowa Ind. Arts Handbook, 1948. Mem.: Ia. Ind. Arts Assn., Past Pres.; A.I.A.A.; A.C.I.A.T.E.; Epsilon Pi Tau. Areas of Splty.: Woodwork; Draw.; Tchr. Edn.. Travel: U.S.. Avoc. Ints.: Sports, officiating; Golf; Travel.

DARBY, E. G. (l.i.), M.S., Assoc. Prof., Dept. of Shop Practice, Kan. State Coll., Manhattan, Kansas.

DAVIS, Carlis Coy, Assoc. Prof., N. Tex. State Coll., Denton, Texas. b.: May 14, 1904, Tenn.. Married. Edn.: B.S., A. & M. Coll. of Texas., College Station, 1930; M.S., N. Tex. State Coll., Denton, 1943. Exp.: Prin., Alexandria, Tex., Pub. Schls., 1926, Supt. and Coach, 1927; Ind. Arts Tchr., Jr. H. Schl., Ft. Worth, Tex., 1928; Tchr., Woodwork, Sr. H. Schl., Ft. Worth, Tex., 1929-37; Tchr., Ind. Arts, Arlington Heights Sr. H. Schl., Ft. Worth, Tex., 1937-40; Ind. Arts Dept., N. Tex. State Coll., Denton, 1940—. Mem.: Tex. State Tchrs. Assn.; Tex. Voc. Assn., Past V. Pres., Ind. Arts Div.; Coll. Classroom Tchrs. Assn.; A.V.A.; A.I.A.A.; A.A.U.P.; Phi Delta Kappa. Areas of Splty.: Safety; Furniture Finishing; Mach. Woodwork. Travel: U.S.. Avoc. Ints.: Travel; Shows; Reading; Recreation.

DAVIS, C. F. (l.i.), B.S., Hd. Instr., Ind. Edn. Dept., Tuskegee Inst., Tuskegee Inst., Alabama.

DAVIS, Ed, Head, Dept. of Ind. Arts, Fort Hays Kan. State Coll., Hays, Kan.. b.: 1887, Kan.. Married, one child. Edn.: B.S., Fort Hays Kan. State Coll., Hays, Kan., 1915; B.S., Kan. State A. & M. Coll., Manhattan, 1915; M.A., Univ. of Minn., 1928; Other Grad. Study. Exp.: Tchr., H. Schl., 5 yrs.; Fort Hays Kan. State Coll., Hays, Kan., 1916—. Publs.: Various mag. articles. Mem.: Phi Delta Kappa. Area of Splty.: Woodwork. Travel: U.S.; Canada; Mexico. Avoc. Ints.: Hunting; Fishing; Bldg. Anything Mechanical.

DAVIS, George W., Dir., Schl. of Ind., Va. State Coll., Petersburg, Va.. b.: July 11, 1904, Chrystal Hill, Va.. Married, one child. Edn.: B.S., Carnegie Inst. of Tech., 1938; M.S., Pa. State Coll., State Coll., 1945. Exp.: Instr., Mach. Shop, Hampton Inst., 1926-27; Asst. Dean of Men, 1928-29, Act. Dir., Trade Schl., 1941-44; Tool Maker, 1940-41; Tool Designer, 1945-47; Dir., Schl. of Ind., Va. State Coll., 1947—. Mem.: Amer. Soc. of Tool Engrs.; Amer. Soc. for Engrn. Edn.; Old Dominion Voc. Assn.; Phi Kappa Phi; Phi Delta Kappa. Areas of Splty.: Mach. Shop; Suprn. and Admin.. Avoc. Ints.: Reading; Antique Design.

DAVIS, James Homer, Asst. Prof. of Ind. Arts, East. Ky. State Coll.,

Richmond, Ky.. b.: Mar. 29, 1919, Jackson Co., Ky.. Married, two children. Edn.: B.S., East Ky. State Coll., 1941; M.Ed., Univ. of Mo., 1949. Exp.: Tchr., Ind. Arts, Barret Manual Training H. Schl., Henderson, Ky., 1941-44; U.S.N., Motor Machinist, 1944-46; Instr., Ind. Arts, East Tenn. State Coll., Johnson City, Tenn., 1946-48; Asst. Prof., Ind. Arts, East. Ky. State Coll., Richmond, Ky., 1949—. Mem.: N.E.A.; K.E.A., Sec., 1950-51; A.V.A.; A.I.A.A.; A.A.U.P.; Phi Delta Kappa; Pres., K.I.A.. Areas of Splty.: Metalwork; Electricity. Travel: U.S.; So. Pacific Area. Avoc. Ints.: Amer. Industries; Civic Affairs; Family.

DAVIS, R. M. (l.i.), B.A., Asst. Prof., Div. of Ind. Arts, Univ. of N.M., Albuquerque, New Mexico.

DAWKINS, J. F. (l.i.), M.S., Asst. Prof., Dept. of Ind. Edn., The A. and T. Coll. of N.C., Greensboro, North Carolina.

DAWSON, C. H., Assoc. Prof., Tarleton State Coll., Stephenville, Tex.. b.: Feb. 3, 1895, Iowa. Married, two children. Edn.: B.S., No. Tex. State Coll., 1938. Exp.: Tarleton State Coll., 30 yrs..

DEAN, Thomas, Long Beach State Coll., Long Beach, Calif.. b.: Feb. 11, 1918, Humbolt, Neb.. Married, two children. Edn.: B.A., Peru State Tchrs. Coll., Peru, Neb., 1942; M.S., Ia. State Tchrs. Coll., Ames, Ia., 1948. Exp.: Instr., Peru State Tchrs. Coll., Peru, Neb., 1942; War Dept., 1942-43; U.S.N., 1943-46; Pub. Schl. Teaching, 1946-47; Ia. State Coll., Ames, Ia., 1947-52. Mem.: A.V.A.; Ia. Ind. Edn. Assn.; Beta Beta Beta; Kappa Delta Pi; Epsilon Pi Tau; Gamma Sigma Delta; Phi Delta Kappa; Phi Kappa Phi. Areas of Splty.: Woodwork; Electricity; crafts. Travel: England; Ireland; Scotland; France; Italy; N. Africa; Panama; Hawaii; Japan; China; Canada; Mexico; U.S.. Avoc. Ints.: Study of Indian Lore; Hunting; Fishing.

DECK, William L., Assoc. Prof., S.W. Tex. State Tchrs. Coll., San Marcos, Tex.. b.: Sept. 6, 1912, Pontotoc, Tex.. Married, one child. Edn.: B.S., S.W. Tex. State Tchrs. Coll., San Marcos, Tex., 1939; M.A., ibid, 1940; Work. on Ph.D.. Publs.: Co-writer, Electricity-Electronic Content and Application in Amer. Ind. Arts Edn. Program. Mem.: Tex. State Tchrs. Assn.; Tex. Coll. Classroom Tchrs. Assn.; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Wood; Electricity; Crafts; Television. Travel: U.S.; S.W. Pacific. Avoc. Ints.: Electro-plating; Plastics; Plastic and Wood Carving; Radio and Television; Horology; Leather Tooling and Carving; Aviation.

DELANEY, Charles L., Instr., W. Va. Univ., Morgantown, W. Va.. Married, one child. Edn.: H. Schl.. Exp.: Tool and Die Maker, 15 yrs.; Ind. Arts Tchr. Edn., 4 yrs.. Areas of Splty.: Art Metal, Costume Jew-

elry; Bench Metal. Travel: U.S.. Avoc. Ints.: Hobby Club Leadership.

DELL, S. M., Prof., Ind. Arts Edn., McPherson Coll., McPherson, Kan.. b.: Oct. 13, 1899, Beatrice, Neb.. Married, three children. Edn.: B.S., McPherson Coll., McPherson, Kan., 1926; M.S., Ia. State Coll., 1934; Other Grad. Study. Exp.: Tchr., H. Schl., 1926-31; Tchr., Coll., 1931—; Dean of Men, 1937—. Publs.: Contbd. to "I.A.V.E.". Mem.: A.I.A.A.; N.V.G.A.; Miss. Valley Ind. Arts Conf.. Areas of Splty.: Woodwork; Drafting; Metalwork; Guidance. Avoc. Ints.: Recreation; Crafts.

DENISTON, N. G., (deceased) Assoc. Prof. of Ind. Arts, East. Ky. State Coll., Richmond, Ky.. b.: Mar. 20, 1893, Sardinia, Indiana. Married, one child. Edn.: B.M.T., Valparaiso Univ.; B.S., 1912, Bradley Univ., 1933; M.S., Kan. State Tchrs. Coll., Pittsburg, Kan., 1934. Exp.: Apprenticeship in Cabinet Making, 1910; Tchr., Ind. Arts: Livingston, Mont., 1912; Baton Rouge, La., 1913; Stanley McCormack Schl., Burnsville, N.C., 1914; Mobile, Ala., 1915; East. Ky. State Coll., 1919-52. Mem.: N.E.A.; K.E.A.; C.K.E.A.; A.I.A.A.; Phi Sigma Pi; N.A.I.T.T.; A.C.I.A.T.E.. Area of Splty.: Drawing. Travel: England; France; Germany; Portugal; Italy; Pacific Area. Avoc. Ints.: Architecture.

DePUY, George F., Head, Ind. Arts Dept., Cent. Mich. Coll. of Edn., Mt. Pleasant, Mich.. b.: June 18, 1903, Mt. Pleasant, Mich.. Married, three children. Edn.: B.S., Cent. Mich. Coll. of Edn., 1928; M.A., Univ. of Mich., 1941. Exp.: Detroit Auto. Schl. and Plants, 1921-22; Saginaw Pub. Schls., 1924-26; Engr., Lakeland, Fla., 1926-27; Cent. Mich. Coll. of Edn., 1928—.

DETTINGER, Donald J., Asst. Prof. of Ind. Arts, Fresno State Coll., Fresno, Calif.. b.: Mar. 30, 1911, Santa Fe, N.M.. Married, three children. Edn.: B.A., Chico State Coll., Chico, Calif., 1935; M.S., Ore. State Coll., Corvallis, Ore., 1949. Exp.: Tchr., Ind. Arts, Elem. Subjects, Willows Union Elem. Schl., 1935-38; Tchr., Ind. Arts, San Dieguito U. H. Schl., Encinitas, Calif., 1938-40; Tchr., Ind. Arts, E. Bakersfield H. Schl., 1940-41; Tchr., Ind. Arts, Redlands U. H. Schl., 1941-47; Asst. Prof., Ind. Arts, Fresno State Coll., Fresno, Calif., 1947—; Pract. Exp. as Electrician and Auto. Mech.. Mem.: A.V.A.; A.C.S.C.I.; C.S.E.A.; Calif. Ind. Edn. Assn.; Kappa Delta Pi; Epsilon Pi Tau. Areas of Splty.: Auto. Mech.; Electricity; Radio. Avoc. Ints.: Fields associated with profnl. endeavors.

DeWEBER, Ralph A., Instr. in Ind. Arts, Cent. State Coll., Edmond, Okla.. b.: July 10, 1912, Landin, Okla.. Married. Edn.: B.S., Cent. State Coll., Edmond, Okla., 1949; M.S., Okla. A. & M. Coll., Stillwater, 1951. Exp.: Mach. Shop Exp., 1940-43, 1945-47; Tchr., Coll., 1949—.

Mem.: A.C.I.A.T.E.; A.I.A.A.; A.V.A.; N.E.A.; Okla. Ind. Arts Assn.; Okla. Voc. Assn.; Okla. Edn. Assn.; Iota Lambda Sigma. Areas of Splty.: Woodwork; Metalwork; Drafting. Travel: U.S. Avoc. Ints.: Fishing; Boating.

DIETRICH, Arthur B., Asst. Prof. of Ind. Arts, E. Central State Coll., Ada, Okla.. b.: Apr. 22, 1914, Cabott, Wis.. Married, one child. Edn.: Ph.B., Univ. of Wis., 1936; B.S., The Stout Inst. 1948; M.S., ibid, 1949. Exp.: Instr., Airplane Mechanics, U.S.A.A.F., 1940-41; Asst. Prof. of Ind. Edn., E. Central State Coll., Ada, Okla., 1949---; (Called to active duty with U.S.A.A.F., June, 1951). Mem.: N.E.A.; Okla. Edn. Assn.; Okla. Ind. Arts Assn.; Epsilon Pi Tau. Areas of Splty.: Gen. Metalwork; Airplane Mechanics. Travel: S. Pacific Area. Avoc. Ints.: Model Airplane Bldg.; Fishing; Golf.

DIETRICH, H. F., Instr., Kan. State Coll., Manhattan, Kan.. b.: May 20, 1906, Sheboygan, Wis.. Married, two children. Exp.: Journeyman, Foundry Practice, 1923-33; Ind. Foundry Management and Supervision, 1933-48; Instr., Foundry Practice, Kan. State Coll., 1948---. Mem.: A.S.E.E.; A.F.S.. Areas of Splty.: Foundry Practice; Metallurgy. Avoc. Ints.: Sports; Travel; Photo..

DIETRICH, L. E., Instr., Univ. of Okla., Norman, Okla.. b.: April 25, 1908, Cleburne, Texas. Married, two children. Edn.: H. Schl., 1928. Exp.: Owner and Operator of Repair Shop, 1930-37; Instr., Univ. of Okla., Norman, Okla., 1938---. Mem.: Amer. Welding Soc.. Areas of Splty.: Welding; Mach. Shop.

DILLON, Mozeal A., Jr., Instr., Langston Univ., Langston, Okla.. b.: April 20, 1920, Sinton, Tex.. Edn.: B.S., Langston Univ., Langston, Okla., 1946; B.S., Arch. Engr., Univ. of Neb., 1951. Exp.: U.S. Army, 1942-46; Teaching, 1946---. Mem.: N.E.A.; A.V.A.; Amer. Inst. of Architects; N.A.I.T.T.. Areas of Splty.: Arch. Design; Mech. Drawing. Travel: Mexico; Canada; N. Africa; Corsica; France; Germany; Belgium; U.S.. Avoc. Ints.: Arch. Designing; Drafting; Coaching Tennis.

DITZLER, Walter E., Asst. Prof., Ia. State Tchrs. Coll., Cedar Falls, Iowa. b.: June 16, 1915, Belle Plain, Iowa. Married, one child. Edn.: B.S., Ia. State Tchrs. Coll.; M.A., Ohio State Univ.; Working on Ph.D., Univ. of Iowa. Exp.: Tchr., Pub. Schls., 8 yrs.; Ia. State Tchrs. Coll., 1946--. Mem.: Epsilon Pi Tau; Phi Delta Kappa. Area of Splty.: Ind. Arts Tchr. Edn. Avoc. Ints.: Hunting; Fishing; Guns.

DOANE, Raymond C., Instr., State Coll. of Wash., Pullman, Wash.. b.: Sept. 22, 1924, Sparta, Wis.. Married. Edn.: B.S., The Stout Inst.,

Menomonie, Wis., 1948; M.S., ibid, 1950. Exp.: U.S. Army, 1943-46; Instr., Ind. Arts, Music, Sec. Schl., 1948-49; Asst. Instr., Finishing, Stout Inst., 1949; Instr., Ind. Arts, State Coll. of Wash., 1950---. Mem.: Epsilon Pi Tau, Trustee of Alpha Delta Chap.. Areas of Splty.: Woodwork; Visual Aids; Driver Edn.. Travel: Australia; India; China; Philippine Is.; U.S.. Avoc. Ints.: Scouting; House Designing; Sports.

DODGE, James C., Assoc. Prof., Colo. A. & M. Coll., Ft. Collins, Colo.. b.: June 24, 1906, Menomonie, Wis.. Married, one child. Edn.: B.S., Stout Inst., 1931. Exp.: South Milwaukee H. Schl., 1931-42; U.S.N., Service Schls., 1942-45; Vascoloy Ramet Corp., Waukegan, Ill., 1945-46. Mem.: Amer. Soc. for Engr. Edn.. Areas of Splty.: Mach. Shop; Metalwork. Avoc. Ints.: Hiking; Camping; Fishing.

DODGE, M. R. (l.i.), B.S., Instr., Dept. of Shop Practice, Kan. State Coll., Manhattan, Kansas.

DOGGETT, Byron C., Instr., The A. & M. Coll. of Tex., Coll. Station, Texas. b.: July 2, 1921, Shreveport, La.. Married, one child. Edn.: B.S., A. & M. Coll. of Texas, 1947; M.Ed., Colo. A. & M. Coll., 1949. Exp.: U.S. Army, 1942-46; A. & M. Coll. of Tex., 1947---. Mem.: A.S.E.E.; A.A.U.P.. Area of Splty.: Drawing. Travel: England; France; Germany; Belgium; Switzerland. Avoc. Ints.: Class A Amateur Radio Operator.

DOTY, Dabney B., Instr., Ind. Edn., Univ. of Mo., Columbia, Mo.. b.: Nov. 5, 1918, Marion, Ala.. Married, three children. Edn.: B.S., Eastern Ky. State Coll., 1940; M.Ed., Univ. of Mo., 1948. Exp.: Instr., Ind. Arts, Lindley H. Schl., Greensboro, N.C., 1940; Coordinator, Diversified Occupations, Sr. H. Schl., Greensboro, N.C., 1941; U.S.N., 1944-46; Instr., Ind. Arts, Eastern Ky. State Coll., Richmond, Ky., 1946-47; Instr., Ind. Arts, Univ. of Mo., 1947---. Mem.: A.V.A.; A.A.U.P.; Mo. Ind. Edn. Assn.; Mo. State Tchrs. Assn.; Phi Delta Kappa. Area of Splty.: Tchr. Training in Ind. Edn.. Travel: Bermuda; Panama; Hawaii; Solomon Is.; Guam; Philippine Is.; Okinawa; Korea; China. Avoc. Ints.: Home Work Shop; Hunting; Fishing; Gardening.

DOUPLE, Angus H., Instr., State Tchrs. Coll., Calif., Pa.. b.: Aug. 20, 1907, Litite, Pa.. Married, two children. Edn.: B.S., State Tchrs. Coll., Kutztown, Pa., 1933; M.Ed., Pa. State Coll., State Coll., Pa., 1946. Exp.: Art Supv.: Pub. Schls., Mohnton, Pa., 1930-34; Mt. Joy, Pa., 1934-36; Pub. Schls., Hershey, Pa., 1936-43; Occup. Therapist, U.S.N., 1943-46; Art Instr., State Tchrs. Coll., Calif., Pa., 1946---. Publs.: Article, "N.E.A. Art Edn. Yearbook"; Articles, "P.S.E.A. Art Bulletin". Mem.: N.E.A.; N.E.A. Art Assn.; P.S.E.A.; A.A.U.P.. Area of Splty.: Art Edn.. Travel: U.S.; Mexico; Canada. Avoc. Ints.: Paint-

ing; Sculpture.

DOUTHIT, J. C., Instr. of Ind. Arts, Ariz. State Coll., Tempe, Ariz.. b.: Jan. 13, 1884, Stephene, Ark.. Married, one child. Edn.: B.E.E., Univ. of Ark., 1918; M.A., Ariz. State Coll., Tempe, 1950. Exp.: Taught Gas Engine Theory, U.S. Naval Aviation, 1915; Shop Foreman, Harley-Davidson Motors, 1919; Tchr., Ind. Arts, Pub. Schls., Okmulgee, Okla., 1920-25; Dir. of Even. Schl., Okmulgee, Okla., 1925-29; Tchr., Voc. Elect., Mooseheart, Ill., 1929-35; Supervising Engr., Mooseheart, Ill., 1935-45; Instr., Engrn. Dept., Ariz. State Coll., Tempe, 1947—. Mem.: Amer. Assn. of Engrs.. Areas of Splty.: Elect. Engrn.; Mech. Engrn.; Gas Engine Engrn.; Ind. Arts. Travel: Canada. Avoc. Ints.: Photo.; Cabinetmaking; Mach. Work; Scouting; First Aid.

DOWNARD, Richard Walter, Asst. Prof., The A. & M. Coll. of Texas, College Station, Texas. b.: July 9, 1896, Bryan, Tex.. Married, two children. Edn.: Allen Academy, Bryan, Texas; Work at A. & M. Coll. of Texas, College Station. Exp.: Tchr., Mach. Shop, A. & M. Coll. of Texas, 35 yrs.. Area of Splty.: Teaching Mach. Shop Practice. Travel: United States. Avoc. Ints.: Cattle Raising.

DRESSER, Vincent W., Instr., State Tchrs. Coll. of N.J., Trenton, N.J.. b.: April 27, 1914, N.Y.C.. Married, one child. Edn.: B.S., N.J. State Tchrs. Coll. at Trenton, 1940; M.A., N.J. State Tchrs. Coll. at Montclair, 1946. Exp.: Tchr., Ind. Arts, Glen Ridge, N.J., 1940-42; A.C.M.M., U.S.N.R., 1942-45; Tchr., Ind. Arts, Hoboken, N.J., 1945-46; Tchr., Ind. Arts, Ruinson, N.J., 1947-49; Instr., N.J. State Tchrs. Coll. at Trenton, 1949—. Publs.: Tchr. Training in the U.S. Navy, "I.A.V.E.", Mar., 1944. Mem.: Phi Delta Kappa. Areas of Splty.: Graphic Arts; Mech. Drawing. Travel: U.S.; Mexico; Canada; Pacific Ocean. Avoc. Ints.: Fishing.

DUGGER, Robert P., Asst. Instr., Eastern Ky. State Coll., Richmond, Ky.. b.: Dec. 12, 1923, Artemus, Ky.. Married, two children. Edn.: B.S., Eastern Ky. State Coll.; M.A., ibid.. Exp.: Instr. of Ind. Arts, Pub. Schls., 1948-51; Asst. Instr. of Ind. Arts, Eastern Ky. State Coll., 1951—. Mem.: N.E.A.; Va. Edn. Assn.; Va. Ind. Arts Assn.. Areas of Splty.: Woodwork; Metalwork. Travel: Italy; Newfoundland; Africa; Brazil; Puerto Rico.

DUGGIN, Calvin H., Instr., Engrn. Shops Dept., Ala. Poly. Inst., Auburn, Ala.. b.: Mar. 7, 1925, Cannon Co., Tenn.. Married. Edn.: B.S., Middle Tenn. State Coll., Murfreesboro, 1950; Grad. Work. Exp.: U.S. Air Corps, 1943-45; Instr., Engrn. Shops Dept., Ala. Poly. Inst., Auburn, 1951—. Mem.: Ala. Edn. Assn.. Areas of Splty.: Metalwork; Welding;

Woodwork. Travel: S. Pacific Area. Avoc. Ints.: Craftwork; Radio.

DUNBAR, Winsor S., Asst. Prof., Cent. Mich. Coll. of Edn., Mt. Pleasant, Mich.. b.: Oct. 7, 1907, Benton Harbor, Mich.. Married, two children. Edn.: B.A., Western Mich. Coll., 1934; M.A., Univ. of Mich., 1941. Exp.: Tchr., Ind. Arts, Mt. Pleasant Pub. Schls., 1934-49; Instr., Ind. Arts, Cent. Mich. Coll. of Edn., Mt. Pleasant, Mich., 1949—. Mem.: Mich. Edn. Assn.: Mich. Ind. Edn. Society. Area of Splty.: Mech. Drawing.

DUNCAN, David W., Instr., N. Tex. State Coll., Denton, Texas. b.: Sept. 28, 1921, Kaufman, Texas. Edn.: B.S., N. Tex. State Coll., Denton, 1946; M.S., ibid, 1947. Exp.: Tchr., Edinburg Jr. Coll., Edinburg, Tex., 1947-48; Instr., San Angelo Jr. Coll., San Angelo, Tex., 1948-50; Instr., N. Tex. State Coll., Denton, 1950—. Areas of Splty.: Woodwork; Drawing. Travel: Italy; N. Africa; Palestine. Avoc. Ints.: Crafts; Hunting; Fishing.

DUNCAN, Glenn Spenser, Asst. Prof. of Ind. Arts, Eastern Ill. State Coll., Charleston, Ill.. b.: Dec. 1, 1909, Excelsior Springs, Mo.. Married, three children. Edn.: B.S., N.W. Mo. State Tchrs. Coll., Maryville, Mo., 1932; M.A., Univ. of Mo., Columbia, Mo., 1942; Ed.D., ibid, 1950. Exp.: Tchr., Ind. Arts, Sikeston, H. Schl., Sikeston, Mo., 1934-37; Tchr., Ind. Arts, Pub. Schls., Kansas City, Mo., 1937-42; Tchr., Ind. Arts and Supv. of Stud. Tchrs., Univ. of Mo., Columbia, Mo., 1942-44, 1946-50; Tchr., Ind. Arts, N.W. Mo. State Tchrs. Coll., Maryville, Mo., Summers, 1939, 1940; Instr., Mech. Drawing, Coll. of Engr., Univ. of Mo., Columbia, Mo., Part Time, 1942-43; Armed Forces, 1944-46; Asst. Prof. of Ind. Arts, Eastern Ill. State Coll., Charleston, Ill., 1950—. Mem.: N.E.A.; Ill. Edn. Assn.; Phi Delta Kappa. Areas of Splty.: Crafts; Jr. High and Sec. Level Ind. Arts. Travel: U.S.; Hawaii; Guam; Caroline Islands; Palau Islands. Avoc. Ints.: Fishing; Hunting; Gardening; Shop Crafts.

DUNGY, W. C. (l.i.), Instr., Div. of Ind., Central State Coll., Wilberforce, Ohio.

DUNNING, W. J., Asst. Prof. of Ind. Arts, Fresno State Coll., Fresno, Calif.. b.: Dec. 3, 1905, Iowa. Married. Edn.: B.S., Ia. State Tchrs. Coll., 1933; M.S., Ia. State Coll., 1937. Exp.: Tchr., Ind. Arts, Pub. Schls., Ia. and Ill., 1933-42; Tool Designer, 1942-43; Instr., Drafting, Denver Univ., Denver, Colo., 1943-44; Head, Ind. Edn. Dept., State Norm. and Ind. Coll., Ellendale, N.D., 1944-47; Asst. Prof., Ind. Arts, Fresno State Coll., Fresno, Calif., 1947—. Publs.: Contributed to "I.A.V.E."; Course of Study for Arch. Drawing, 1951. Mem.: A.I.A.A.;

A.A.U.P.; Calif. Ind. Edn. Assn.. Areas of Splty.: Drafting; Woodwork; Administration. Travel: U.S.. Avoc. Ints.: Fishing Athletics.

DUSO, Ralph E., Instr., Supv., Stud. Tchr., Gorham State Tchrs. Coll., Gorham, Me.. b.: Aug. 20, 1912, Belmont, N.H.. Married, four children. Edn.: B.Ed., State Tchrs. Coll., Keene, N.H., 1935; M.A., N.Y. Univ., 1944. Exp.: Tchr., Ind. Arts, Morrill Schl. of Mech. Arts, Concord, N.H., 1935-36; Tchr., Ind. Arts, Peterborough H. Schl., Peterborough, N.H., 1936-38; Inaug. and Taught, Ind. Arts, Roger Ludlowe H. Schl., Fairfield, Conn., 1939-48; Instr., Ind. Arts, Gorham State Tchrs. Coll., Gorham, Me., 1948---. Mem.: New Eng. Ind. Arts Tchrs. Assn.; Me. Tchrs. Assn.; Me. Ind. Arts Assn.: Fairfield Co. Ind. Arts Assn., Past Pres.; Conn. Ind. Arts Assn., Past Pres.. Area of Splty.: Transportation. Avoc. Ints.: Music.

DYER, C.R. (l.i.), M.A., Assoc. Prof., Ind. Arts Dept., Southeastern State Coll., Durant, Okla..

DYKE, Delbert A., Prof., Hd., Ind. Edn. Sul Ross State Coll., Alpine, Texas. b.: April 26, 1914, Eagle City, Oklahoma. Married, two children. Edn.: B.S., Okla. A. & M. College, Stillwater, Okla., 1936; M.S., ibid, 1941;Work. on Ed.D.. Exp.: Instr., Ind. Arts, H. Schl. and Jr. H. Schl., Okla., 1936-42; Instr., Aircraft Sheet Metal, N.A.T.T.S., Jacksonville, Fla., 1942-44; U.S.N., Officer, 1944-46; Asst. Prof., Ind. Arts, Okla. A.&M. Coll., Stillwater, Okla., 1946-47; Assoc. Prof., Ind. Arts, Middle Tenn. State Coll., Murfreesboro, Tenn., 1947-1952; Prof., Hd., Ind. Edn., Sul Ross State Coll., Alpine, Tex., 1952---. Publs.: Contbd. to "I.A.V.E."; Reading Aircraft Blueprints. Mem.: A.I.A.A., A.C.I.A.T.E. State Rep.; A.V.A.; Tenn. Voc. Assn.; Tenn. Edn. Assn.; Iota Lambda Sigma, Past Pres., Zeta Chapt.; Mem., Advisory com., Ind. Arts Awards. Areas of Splty.: Gen. Metals; Welding; Plastics; Crafts. Travel: Mexico, Canada, Hawaii; Philippine Is.; Okinawa; Japan. Avoc. Ints.: Gardening; Tennis.

EACHUS, Thomas E., Instr., The Ohio State Univ., Columbus, Ohio. b.: Mar. 26, 1921, Gallipolis, Ohio. Married, one child. Edn.: B.S., Ohio Univ., Athens, 1943. Exp.: Dover H. Schl., Dover, Ohio, 1946-47; Ohio State Univ., Columbus, 1947---. Mem.: Ohio State Univ. Ind. Arts Club, Adviser; Phi Delta Kappa; Epsilon Pi Tau; Kappa Phi Kappa, Sponsor. Area of Splty.: Ind. Arts Tchr. Edn.. Avoc. Ints.: Photo.; Electronics.

EARL, Arthur W., Asst. Prof., N.J. State Tchrs.,Coll., Newark, N.J.. b.: July 23, 1919, Dover, N.J.. Married, one child. Edn.: B.S., N.J. State Tchrs. Coll., Newark, N.J., 1941; M.A., N.J. State Tchrs. Coll.,

Montclair, N.J., 1947; Doctoral Candidate, Columbia Univ.. Exp.: Ind. Arts, Netcong H. Schl., Netcong, N.J., 1941-46; Ind. Arts, Butler H. Schl., Butler, N.J., 1946-48; Asst. Prof., Dept. of Ind. Arts, N.J. State Tchrs. Coll., Newark, N.J., 1948—. Publs.: Contbd. to "Nations Schools". Mem.: A.C.I.A.T.E.; A.I.A.A.; N.E.A.; N.J. Edn. Assn.; Epsilon Pi Tau. Areas of Splty.: Graphic Arts; Woodwork; Elem. Ind. Arts Edn.. Travel: U.S.; Canada; Puerto Rico; Brazil; French W. Africa; Liberia; Lybia; Morroco; Algeria; Egypt; Tunis; Sicily; Italy; France; England. Avoc. Ints.: Hunting; Fishing; Ice Skating; Skiing.

EASTON, A.C. (l.i.), M.A., Asst. Prof., Dept. of Practical Arts, Univ. of Neb., Lincoln, Nebraska.

EATON, S.E. (l.i.), M.S., Asst. Prof., Dept. of T. and I., Keene Tchrs. Coll., Keene, N.H..

EDEL, Edward F., Asst. Prof. of Ind. Arts, North. Ill. State Tchrs. Coll., De Kalb, Ill.. b.: Sept. 28, 1890, Jackson, Minn.. Married, two children. Edn.: B.A., South. Minn. Normal Coll., 1912; M.A., Northwestern Univ., 1938. Exp.: Northern Ill. State Tchrs. Coll., De Kalb, Ill., 1915—; Office Management, 1919-20; Labor Foreman in industry during summers, 1940-45. Mem.: Ill. Edn. Assn.: N.E.A.. Areas of Splty.: Lettering; Silk Screen Printing. Travel: Canada; U.S.. Avoc. Ints.: Music; Gardening; Crafts.

EDGE, Dan Arthur, Instr., Pacific Union Coll., Angwin, Calif. b.: Nov. 25, 1920, Atlanta, Ga. Married, two children. Edn.: B.S., Pacific Union Coll., 1950—. Areas of Splty.: Bldg. Trades; Tchr. Edn. Travel: Hawaii; U.S. Avoc. Ints.: Gardening; Photo.; Sports; Christian Endeavor.

ELLENWOOD, Theodore S., Instr., Univ. of Calif., Santa Barbara, Calif.. Married, three children. Edn.: B.A., San Jose State Coll., 1934; M.A., Claremont Coll., 1950. Exp.: Tchr., S. San Francisco Jr.-Sr. H. Schl., 1934-47, Dir. of Student Affairs, 1942-47; Instr., Univ. of Calif., 1947—. Mem.: N.A.I.T.T.; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Education; Woodcrafts. Avoc. Ints.: Music; Fishing; Boating.

ELLIOTT, Charles A., Asst. Prof., Eastern Ill. State Coll., Charleston, Ill.. b.: Jan. 12, 1908, Casey, Ill.. Married. Edn.: B.E., Eastern Ill. State Tchrs. Coll., 1931; M.Ed., Univ. of Mo., Columbia, Mo., 1946; Working on Doctorate. Exp.: Instr., Ind. Arts and Coach, Rome Twp. H. Schl., Rome, Ohio, 1935-37; Instr., Ind. Arts, Jr. H. Schl., Cleveland, Ohio, 1937-38; Instr., Production Woodwork, N.Y.A., Charleston, Ill., 1938-42; Instr., Mach. Shop, Eastern Ill. State Coll., 1942, 1946—;

Instr., Link, Automatic Pilot, U.S.A.A.F., 1942-45. Mem.: N.E.A.; Ill. Edn. Assn.; Ill. Voc. Assn.; Phi Delta Kappa; Iota Lambda Sigma; Epsilon Pi Tau. Areas of Splty.: Electricity; Gen. Metals; Supv. Off-Campus Stud. Tchrs. Travel: U.S.. Avoc. Ints.: Radio; Television; Sports.

ELLIOTT, J.H. (l.i.), B.S.E., Asst. Instr., Dept. of Practical Arts, Univ. of Neb., Lincoln, Nebraska.

ELMORE, James W., Asst. Prof. of Ind. Arts, Ariz. State Coll., Tempe, Arizona b.: Sept. 5, 1917, Lincoln, Neb.. Married, two children. Edn.: B.A., Univ. of Neb., 1938; M.S., Columbia Univ., 1948. Exp.: Architectual Work, 5 yrs.; Tchr., Pub. Schls., 1 yr.; Tchr. Edn., 2 yrs.. Mem.: Amer. Inst. of Architects. Area of Splty.: Architecture. Travel: England; France; Germany. Avoc. Ints.: Corps of Engrs., U.S. Army Reserves.

ELNES, C. (l.i.), Instr., Dept. of Ind. Arts, Northern Mont. Coll., Havre, Montana.

EMERSON, L.A. (l.i.), Hd., Ind. Edn., N.Y. State Schl. of Ind. and Labor Relations, Cornell Univ., Ithaca, N.Y..

ENDERBY, D. R. (l.i.), M.S., Asst. Prof., Ind. Arts Dept., Southeastern State Coll., Durant, Oklahoma.

ENGLISH, R.W. (l.i.), M.A., Asst. Prof., Dept. of Ind. Edn., Southern Ill. Univ., Carbondale, Illinois.

ENSIGN, Mel C., Asst. Prof. of Ind. Arts, Ariz. State Coll., Tempe, Arizona. b.: June 4, 1913, Phoenix, Ariz.. Married. Edn.: B. of Arch., Univ. of Southern Calif., 1938; M. of Arch., Harvard Univ., 1945. Exp.: Tchr., Pub. Schls., 3 yrs.; Tchr. Edn., 3 yrs.. Mem.: Amer. Inst. of Architects; Engineers Club. Area of Splty.: Arch. Design and Const.. Travel: Europe; Canada; Mexico; U.S.. Avoc. Ints.: Landscaping—Design.

ENSMAN, Leo M., Instr., Ind. Arts Dept., Kan. State Tchrs. Coll., Pittsburg, Kan.. b.: July 4, 1919, Pittsburg, Kan.. Married, one child. Edn.: B.S., Kan. State Tchrs. Coll., 1947; M.S., ibid, 1950. Exp.: Instr., Ind. Arts, Cathedral H. Schl., Wichita, Kan., 1947-49; Grad. Asst., Ind. Arts, Kan State Tchrs. Coll., 1949-50; Instr., Ind. Arts, ibid, 1950—. Mem.: Epsilon Pi Tau. Area of Splty.: Woodwork.

ERCKMANN, Norman S., Assoc. Prof. of Ind. Arts, Head of Printing Div., N.M. Western Coll., Silver City, N.M.. b.: Nov. 16, 1915, Sioux City, Ia.. Married, three children. Edn.: B.S., Stout Inst., Menomonie, Wis., 1937; M.S., ibid, 1943. Exp.: Pract. Exp. in Newspaper and Job Printing Plants; N.M. Western Coll., Silver City, N.M., 1947—. Publs.:

Safety in the Schl. Print Shop; Bookplates as a Printing Project. Mem.: Epsilon Pi Tau. Area of Splty.: Printing. Travel: U.S.. Avoc. Ints.: Photo..

ERICKSON, Arden M., (l.p.) Instr., N. Tex. State Coll., Denton, Tex.. b.: June 12, 1923, Frederic, Wis.. Married, one child. Edn.: B.S., N. Tex. State Coll., Denton, 1949; M.S., ibid, 1950. Exp.: Teaching Fellow, N. Tex. State Coll., Denton, 1949; Instr., N. Tex. State Coll., Denton, 1949—. Mem.: Phi Delta Kappa.

ERICKSON, John H., Assoc. Prof., Acting Chair., 1951, Ga. Tchrs. Coll., Collegeboro, Ga.. b.: Mar. 16, 1920, Verona, Mo.. Married, two children. Edn.: B.S., Univ. of Mo., 1940; M.Ed., ibid, 1947. Exp.: Instr., Nat. Defense Prog., 1941-42; Instr., Service Schls., U.S.N., 1942-45; Instr., Ind. Arts, Ga. Tchrs. Coll., 1946—. Mem.: Phi Delta Kappa; A.V.A.; Ga. Voc. Assn.; Ga. Edn. Assn.; Ga. Ind. Arts Assn.; A.I.A.A.; N.A.I.T.T. Area of Splty.: Gen. Shop; Woodworking; Electricity. Avoc. Ints.: Radio; Leather Craft; Hunting; Fishing.

ERICSON, Emanuel E., Prof. of Ind. Arts and Asst. Dir., Univ. Extension, Univ. of Calif., Santa Barbara Coll., Santa Barbara, California. b.: Aug. 18, 1888, Stockholm, Sweden. Married, one child. Edn.: B.S., The Stout Inst.; M.A., Univ. of Southern Calif.. Exp.: Dir., Manual Arts, State Normal Schl., Ada, Okla., 6 yrs.; Supv., Ind. And Fine Arts, Okmulgee, Okla., 2 yrs.; Dir., Ind. Div., Santa Barbara State Coll., 1925-44; Prof. of Ind. Arts and Chair., Dept. of Ind. Arts, Univ. of Calif., Santa Barbara Coll., 1944-48; Prof. of Ind. Arts and Asst. Dir., Univ. Extension, Central Coastal Area, Univ. of Calif., 1947—. Publs.: Glass and Glazing, 1925; Teaching the Ind. Arts, 1946; Teaching Problems in Ind. Arts, 1930; Planning Your Home, 1938, Co-author; Contributed to various magazines and books. Mem.: A.C.I.A.T.E.; A.V.A., Life Mem., Chair., Ind. Arts Polices and Planning Com.; Phi Delta Kappa; Phi Sigma Pi; Pi Sigma Chi, Nat. Counselor; Epsilon Pi Tau, Honor Mem. and Trustee. Travel: England; Sweden.

ERWIN, William R., Jr., Instr., N. Tex. State Coll., Denton, Tex.. b.: Feb. 2, 1921, Milford, Tex.. Married, one child. Edn.: B.S., N. Tex. State Coll., Denton, 1948; M.S., ibid, 1949. Exp.: Teaching Fellow, N. Tex. State Coll., Denton, 1947-48; Instr., Metal Div., N. Tex. State Coll., Denton, 1948—. Mem.: A.C.I.A.T.E.; A.V.A.; A.A.U.P.; Tex. Voc. Assn.; Tex. State Tchrs. Assn.; Phi Delta Kappa. Area of Splty.: Welding. Travel: U.S.. Avoc. Ints.: Crafts.

ESHELMAN, Paul W., Instr., State Tchrs. Coll., Millersville, Pa.. b.: Apr. 6, 1906, Elizabethtown, Pa.. Married. Edn.: B.A., Elizabethtown Coll., Elizabethtown, Pa., 1929; M.A., Columbia Univ., N.Y.C., 1930; Other Graduate Work. Exp.: Tchr., Millersville, Pa., 1930-42; Radio Corp. of Amer., Lancaster, Pa., 1942-44; Coatesville Schl. Dist., Coatesville, Pa., 1944-45; Lancaster Schl. Dist., Lancaster, Pa., 1945-47; State Tchrs. Coll., Millersville, Pa., 1947—. Mem.: N.E.A.; Pa. Edn. Assn.; A.I.A.A.; Amer. Soc. for the Advancement of Science; Lancaster County Ind. Soc.; Millersville Ind. Soc.; Iota Lambda Sigma. Areas of Splty.: Woodwork; Leather. Travel: Canada; U.S.. Avoc. Ints.: Reproduction of Period Furniture.

ESSEX, Gene, Asst. Prof., State Univ. of N.Y., Tchrs. Coll., Oswego, N.Y.. b.: Oct. 14, 1892, Lamar, Mo.. Married. Edn.: B.S. in Agronomy, Colo. A. & M. Coll., 1917; M.S., Syracuse Univ., 1936. Exp.: Tchr., Ind. Arts, Electricity, Pueblo, Colo., 1922-23; Tchr., Metalwork and Mech. Draw., Sterling, Colo., 1923-24; Tchr., Elect. and Mech. Draw., Syracuse, N.Y., 1924-29; Instr., Oswego State Tchrs. Coll., 1929—. Publs.: Various Mag. Articles and Monographs; Work for State Curr. Com., 1929—. Mem.: Kappa Phi Kappa; Phi Delta Kappa; Epsilon Pi Tau; N.Y.S. Tchrs. Assn.; N.E.A.; A.I.A.A.; Others. Areas of Splty.: Gen. Shop; Ceramics. Travel: U.S.; Canada. Avoc. Ints.: Science; Mechanics; Electricity; Radio; Bldg.; Gardening; Craftwork; Autos.; Music.

EVANS, A. C. (l.i.), M.S., Instr., Div. of Ind. Arts, Eastern N.M. Univ., Portales, New Mexico.

EVANS, Rupert N., Asst. Prof. of Ind. Edn., Univ. of Ill., Urbana, Ill.. b.: April 6, 1921, Terre Haute, Indiana. Married, two children. Edn.: B.S., Indiana State Tchrs. Coll., 1946; M.S., Purdue Univ., 1949; Ph.D., ibid, 1950. Exp.: Allison Div., Gen. Motors, 1940-44; U.S.N., 1944-46; Pub. Schls., Elkart, Indiana, 1946-48; Univ. of Ill., 1950—. Publs.: Various articles in Safety Education, Nation's Schls., Jour. of Edn. Psychology, and Personnel Psychology. Mem.: A.V.A.; N.V.G.A.; N.A.I.T.T.; Amer. Psychological Assn.; Ill. Voc. Assn.; Sigma Xi; Iota Lambda Sigma. Areas of Splty.: Metalwork; Tchr. Training; Research. Travel: Pacific Area. Avoc. Ints.: Radio & Electronics; Music.

FAGAN, Raymond E., (l.p.) Asst. Head, Ind. Arts Dept., State Norm. and Ind. Coll., Ellendale, N.D.. b.: Feb. 8, 1918, Gordon, Neb.. Edn.: B.A., Neb. State Tchrs. Coll., Chadron, Neb., 1940; M.A., Colo. State Coll. of Edn., Greeley, Colo., 1942; Doctoral Cand., Ore. State Coll., Corvallis, Ore,. Exp.: Elem. and H. Schl. Teaching, 1937-42; Officer,

U.S.N., 1942-46; Draftsman, 1946; Asst. Prof., Neb. State Tchrs. Coll., Chadron, Neb., 1942-48; Asst. Prof., Fresno State Coll., Fresno, Calif., 1948-50; Asst. Head, Ind. Arts Dept., State Norm. and Ind. Coll., Ellendale, N.D., 1950—. Mem.: A.A.U.P.; N.D. Edn. Assn.; Epsilon Pi Tau. Area of Splty.: Crafts. Travel: U.S.; Canada; Mexico; Hawaii; Alaska; New Caledonia; New Zealand. Avoc. Ints.: Fine Arts; Stamp Collecting; Travel; 8 mm Movies.

FAIRCHILD, Mildred L., Instr., Fine and Ind. Arts, Tchrs. Coll., Columbia Univ., N.Y., N.Y.. b.: Feb. 16, 1905, St. Paul, Minn.. Edn.: B.S., Univ. of Minn., 1929; M.A., Tchrs. Coll., Columbia Univ., 1941, Ed.D. Exp.: Supv. of Art, Pub. Schls., Mt. Pleasant, Mich., 1929-39; Supv. of Art, Lab. Schl., Central Mich. Coll., Mt. Pleasant, 1939-41; Asst. Prof., Art Dept., Central Mich. Coll., Mt. Pleasant, 1941-45; Art Instr., Horace Mann Lincoln Schl., N.Y., N.Y., 1945-47; Instr., Art Dept., Tchrs. Coll., Columbia Univ., N.Y., N.Y., 1946—. Publs.: Contbd. to "Art Edn. Today". Mem.: Nat. Art Edn. Assn.; Com. on Art Edn., Museum of Mod. Art; Assn. for Supvn. and Curr. Development, N.E.A.; Amer. Soc. for Aesthetics; Amer. Edn. Fellowship. Areas of Splty.: Fine Arts and Fine Arts Edn.; Elem. Schl. Art Edn..

FARBES, L. C. (l.i.), B.S., Dept. of Ind. Edn., Tenn. A. and I. State Coll., Nashville, Tennessee.

FARNAN, Lindsay G., Asst. Prof., Western Mich. Coll. of Edn., Kalamazoo, Mich.. b.: Mar. 1, 1916, Sydney, Nova Scotia, Canada. Married, one child. Edn.: B.S., N.Y. State Coll. for Tchrs., Buffalo, 1941; M.S., Ia. State Coll., Ames, 1947. Exp.: Sheet Metal Fabrication, 1941; Civ. Instr., A.A.C.T.T.C., Yale Univ. and Chanute Field, Ill., 1941-46; Tchr., Ind. Arts, Ia. State Coll., Ames, 1946-47; Western Mich. Coll. of Edn., Kalamazoo, 1947—. Mem.: N.E.A.; Mich. Ind. Edn. Soc.; Epsilon Pi Tau. Areas of Splty.: Arts and Crafts; Woodwork. Travel: France; Germany; Switzerland; U.S.. Avoc. Ints.: Golf; Bowling; Tennis; Fishing; Hunting; Home Workshop.

FARRELL, Henrietta T., Instr., Prairie View Agri. and Mech. Coll., Prairie View, Texas. b.: Mar. 4, 1910, Navasota, Texas. Edn.: B.S., Prairie View A. & M. Coll.. Exp.: Prairie View A. & M. Coll., 1933—. Mem.: Colored Tchrs. State Assn. of Texas. Area of Splty.: Home Economics. Avoc. Ints.: Raising Poultry; Gardening.

FARRINGTON, William E., Instr., State Tchrs. Coll., Fitchburg, Mass.. b.: July 10, 1919, Somerville, Mass.. Edn.: B.S., Mass. Schl. of Art, Boston, Mass., 1941; M.A., Columbia Univ., N.Y.C., 1948. Exp.: Supv. of Art, Tisbury, Mass., 1941-42; Supv. of Art, Seymour, Conn., 1942,

1946-47; Instr., State Tchrs. Coll., Fitchburg, Mass., 1948—. Mem.: N.E.I.A.T.A.; Mass. Ind. Edn. Soc.; Mass. Art Tchrs. Federation, Exec. Bd.; East. Arts Assn.; Mass. State Tchrs. Coll. Assn.; Epsilon Pi Tau. Area of Splty.: Crafts. Travel: Australia; India; Panama; U.S.. Avoc. Ints.: Oil Painting.

FAULDS, Vincent R., Asst. Prof., Ark. Polytechnic Coll., Russellville, Ark.. b.: July 26, 1918, Wauchula, Fla.. Married, one child. Edn.: B.A.E., Univ. of Fla., Gainesville, 1939; M.Ed., Univ. of Mo., 1949. Exp.: Tchr., Shop, Sec. Schls., 1939-41; Tchr., Coll., 1948—; Managed Metal Fab. Shop, 1947; Pilot, U.S.A.A.F., 1941-47. Mem.: A.V.A.; Phi Delta Kappa.

FAUNTELROY, H. E. (l.i.), M.S., Assoc. Prof., Dept. of Ind. Edn. and Ind. Management, Va. State Coll., Petersburg, Va..

FAUROT, A. (l.i.), M.S., Asst. Prof., Ind. Arts Dept., State Tchrs.. Coll., Minot, North Dakota.

FEIRER, John L., Head, Dept. of Ind. Arts, Western Mich. Coll. of Edn., Kalamazoo, Mich.. b.: Mar. 14, 1915, Menomonie, Wis.. Married. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1936; M.A., Univ. of Minn., 1938; Ed.D., Univ. of Okla., 1946. Exp.: Tchr., Jr. H. Schl., 1936-37; Univ. of Minn. and Minn. Pub. Schls., 1937-40; Officer, U.S.N. Tech. Training Prog.; Western Mich. Coll. of Edn., Kalamazoo, 1946—. Publs.: Basic Bench Metal Practice, 1943; Basic Electricity, 1943; Modern Metalcraft, 1946; Ind. Arts Woodworking, 1950. Mem.: Mich. Ind. Edn. Soc.; A.I.A.A.; A.C.I.A.T.E.; N.A.I.T.T.; State Com. for Ind. Arts; Epsilon Pi Tau. Areas of Splty.: Research; Admin.; Shop Organization. Avoc. Ints.: Writing.

FERGUSON, Burtis F., Asst. Prof., Ind. Arts, Northeastern State Coll., Tahlequah, Okla.. b.: Oct. 16, 1909, Philadelphia, Miss.. Married, two children. Edn.: B.S., Northeastern State Coll., 1942; M.S., Okla. A. & M. Coll., 1948. Exp.: Tchr., H. Schls., Heflore Co., 1935-41; Tchr., Ind. Arts, H. Schl., Tahlequah, Okla., 1943-46; Ind. Arts Dept., Northeastern State Coll., Tahlequah, Okla., 1946—. Mem.: N.E.A.; Okla. Edn. Assn.; Okla. Ind. Arts Assn.. Areas of Splty.: Sheet Metal; Mach. Shop. Avoc. Ints.: Home Workshop.

FEUCHES, Conrad, Asst. Prof. of Ind. Arts, Fresno State Coll., Fresno, Calif.. b.: Oct. 5, 1910, Fresno, Calif.. Married. Edn.: B.A., Fresno State Coll., 1934; M.S., Ore. State Coll., 1949. Exp.: Fresno City Sec. Schls., Fresno, Calif., 1935-43, 1945-46; U.S.N., 1943-45; Fresno State Coll., 1946—. Mem.: Calif. Ind. Edn. Assn., Sectry.,

Cent. Sect.; Epsilon Pi Tau. Areas of Splty.: Wood; Metal; Drafting. Travel: U.S.; Mexico; Canada; Hawaiian Is.; Japan. Avoc. Ints.: Camellia Culture; Construction.

FIELDS, M. L. (l.i.), B.S., Assoc. Prof., Dept. of Ind. Edn., Tenn. A. and I. State Coll., Nashville, Tennessee.

FINLEY, Luther Eugene, Instr. of Ind. Arts, Ariz. State Coll., Tempe, Ariz.. b.: Mar. 14, 1915, Sikeston, Mo.. Married. Edn.: B.S., Ariz. State Coll., Tempe, 1948; M.A., ibid, 1949; Other Grad. Study. Exp.: Tchr., Pub. Schls., 3 yrs.; Tchr. Edn., 1 yr.; Instr. in Aeronautics. Mem.: Rodeo Contestants Assn.; Amer. Legion; D.A.V.; V.F.W.. Areas of Splty.: Aeronautics; Surveying. Travel: U.S.; Canada; Mexico; Pacific Islands. Avoc. Ints.: Rodeo Contestant, 1937-39 world's champion wild horse race rider.

FISHER, R. E., Assoc. Prof., Head, Dept. of Ind. Arts, Pacific Union Coll., Angwin, Calif.. b.: Jan. 17, 1908, Okla.. Married, one child. Edn.: B.S., Central State Coll., Okla., 1939; M.Ed., Univ. of Okla., 1941. Exp.: Tchr., Ind. Arts, Pub. Schls., Okla., 1932-42; Navy Training Prof., 1942-45; Pacific Union Coll., Angwin, Calif., 1945—. Mem.: A.V.A.; Calif. Ind. Edn. Assn.. Areas of Splty.: Wood Trades; Drafting.

FLEMING, D. W. (l.i.), M.Ed., Assoc. Prof., Ind. Edn. Dept., The A. and M. Coll. of Texas, College Station, Texas.

FLOYD, J. Denton, Assoc. Prof. of Ind. Arts, E. Central State Coll., Ada, Okla.. b.: Oct. 15, 1905, Asher, Okla.. Married, two children. Edn.: B.S., E. Central State Coll., 1926; M.S., Ia. State Coll., 1929. Exp.: Head, Ind. Arts Dept., H. Schl., Sulphur, Okla., 1924-25; E. Central State Coll., Ada, Okla., 1926—. Mem.: Okla. Edn. Assn.; Okla. Ind. Arts Assn.. Area of Splty.: Woodwork. Avoc. Ints.: Training and Hunting Bird Dogs; Budding and Grafting Pecans; Fishing.

FLUHARTY, Leonard E., Asst. in Printing, Kan. State Tchrs. Coll., Pittsburg, Kan.. b.: Feb. 6, 1924, Sperry, Okla.. Married, three children. Edn.: B.S., Kan. State Tchrs. Coll., 1949. Area of Splty.: Printing. Avoc. Ints.: Photo.; Woodwork; Gardening.

FONTANA, John, Asst. Prof. of Ind. Arts, State Univ. of N.Y., Tchrs. Coll., Buffalo, N.Y.. b.: July 18, 1903, Williamstown, Vt.. Married, three children. Edn.: B.S., N. Y. State Tchrs. Coll., Buffalo, 1930; M.A., N. Y. Univ., 1933; Other Grad. Study. Exp.: Grad. Schl., Niagara Univ.; N. Y. State Tchrs. Coll., 1927—; Engrn. Dept., Sylvania Elec. Co.; Curtiss-Wright Aircraft Co.. Publs.: Contbd. to "I.A.V.E.". Mem.: A.I.A.A.; A.V.A., life mem.; Phi Delta Kappa; Epsilon Pi Tau; Amer.

Horological Assn.; Amer. Radio Relay League; N.Y.S.V.P.A.A.; N.Y. State Assn. of Tchrs. Coll. Faculties. Areas of Splty.: Metalwork; Visual Edn.; Woodwork; Meteorology. Travel: U.S.; Europe. Avoc. Ints.: Amateur Radio; Amateur Photo.; Horology; Gemology; Horticulture; Seismology; Telescope Making; Amateur Bibliophile; Flying.

FOOR, Millard S., Assoc. Prof. of Appld. Science, Univ. of S.D., Vermillion, S.D.. b.: Feb. 17, 1910, Bedford County, Pa.. Married. Edn.: B.A., Juniata Coll., Huntingdon, Pa., 1933; M.Ed., Pa. State Coll., State Coll., 1946. Exp.: Tchr., Jr. and Sr. H. Schl., Pa., 13 yrs.; Instr., Univ. of S.D., Vermillion, 5 yrs.. Mem.: A.A.U.P.; N.E.A.; Phi Delta Kappa. Area of Splty.: Gen. Shop.

FORD, R. (l.i.), Asst. Instr., Ind. Edn. Dept., Tuskegee Inst., Tuskegee Inst., Alabama.

FORSYTH, M. G. (l.i.), B.S., Instr., Dept. of Applied Engr., Ricks Coll., Rexburg, Idaho.

FOSS, Maurice Felker, Asst. Prof., Ind. Arts Edn., Miami Univ., Oxford, Ohio. b.: Oct. 30, 1904, Freeport, Me.. Married, three children. Edn.: B.S., Miami Univ., Oxford, Ohio, 1930; M.A., ibid, 1941. Exp.: Tchr., Ind. Arts: East Liverpool, 1928-29; Jr. Sr. H. Schl., Wash., Pa., 1929-39; Instr., Ind. Arts Edn., Miami Univ., Oxford, Ohio, 1940—. Publs.: Fund. of Mech. Draw., 1937; Contbd. to: "Better Homes and Gardens", "Education", "Home Craftsman", "I.A.V.E.", "Machinery", "Popular Homecraft", "School Shop". Mem.: O.E.A.; N.E.A.; O.I.A.A.; A.C.I.A.T.E.; A.I.A.A.; Epsilon Pi Tau; Phi Delta Kappa. Areas of Splty.: Woodwork; Drafting; Shop Math..

FOUST, W. H. (l.i.), Instr., Dept. of Ind. Edn., The A. and T. Coll. of N.C., Greensboro, North Carolina.

FOWLER, Ewell Weldon, Assoc. Prof. of Ind. Arts, Eastern Ill. State Coll., Charleston, Ill.. b.: Nov. 1, 1906, Gober, Texas. Married, two children. Edn.: B.S., East Texas Coll., Commerce, Texas, 1934; M.S., Texas A. & M. Coll., Coll. Station, Texas, 1937; Ed.D., Univ. of Mo., Columbia, Mo., 1949. Exp.: Ind. Arts, Jr. H. Schl., Amarillo, Texas, 1935-41; Ind. Arts, Eastern Ill. State Coll., Charleston, Ill., 1941—. Publs.: "Operation Sheets Versus Process Models In Shop Teaching, An Experimental Investigation", 1949. Mem.: A.V.A.; Ill. Voc. Assn.; Ill. Edn. Assn.; N.E.A.; Twenty-One Roundtable, Ind. Arts Tchrs. of Ill., Past Sectry.; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Woodwork; Metalwork; Gen. Shop. Travel: U.S.; Canada; Mexico. Avoc. Ints.: Woodwork; Sunday Schl. and Church Activities; Boy Scout Work; Travel.

FRANK, John L., Assoc. Prof., Hampton Inst., Hampton, Va.. b.: Oct. 1907, Bushnell, Ill.. Married, two children. Edn.: B.S., Western Ill. State Coll., Macomb, 1930; M.A., Columbia Univ., 1933; Other Grad. Study. Exp.: Warren Community H. Schl., 1930-33; Hampton Inst., Hampton, Va., 1933—. Mem.: A.V.A.; A.I.A.A.; N.A.I.T.T.; Va. Voc. Assn.; Phi Delta Kappa. Area of Splty.: Tchr. Training in Ind. Arts and Trade Edn.. Travel: Europe; U.S.. Avoc. Ints.: Fishing; Boating.

FRANKLIN, Marion E., Assoc. Prof., Chair., Ind. Arts Dept., Northeastern State Coll., Tahlequah, Okla.. b.: Nov. 5, 1890, Atwood, Kan.. Married, three children. Edn.: B.S., Okla. A. & M. Coll., 1921; M.S., ibid, 1931. Exp.: Elem. Schl., 1911-13, 1915-16; Supt. of Consol. Schl., 1916-18; Tchr., H. Schl., Ind. Arts, 1918-20; Instr., Ind. Arts in Coll., 1921—. Mem.: A.I.A.A.; A.V.A.; A.C.I.A.T.E.; Okla. Edn. Assn.; Okla. Ind. Arts Assn., Sectry., Okla. Advisory Com. for Ind. Arts, 9 yrs.; Miss. Valley Ind. Arts Conf.; Iota Lambda Sigma; Epsilon Pi Tau. Areas of Splty.: Drafting; Crafts. Travel: U.S.. Avoc. Ints.: Gardening; Farming.

FRANKSON, Carl E., Chair., Dept. of Ind. Arts Edn., N.J. State Tchrs. Coll., Newark, N.J.. b.: Nov. 26, 1909, Amboy, Minn.. Married, one child. Edn.: B.E., Mankota State Tchrs. Coll., Minn., 1931; M.E., Colo. State Coll., 1939; Ph.D., Ohio State Univ., 1947. Exp.: Ind. Arts and Coaching at the following: Milroy, Minn., 1931-32; Pine Island, Minn., 1932-34; Morenci, Mich., 1934-37; Monroe, Mich., 1937-40; Ind. Arts, Ball State Tchrs. Coll., 1940-42; Asst., Ohio State Univ., 1942-43; U.S.N.R., 1943-45; Asst. State Supv. of Trades and Industries, Del., 1945-47; Chair., Ind. Arts Dept., State Tchrs. Coll., Gorham, Me., 1947-48; Chair., Ind. Arts Dept., N.J. State Tchrs. Coll., Newark, N.J., 1948—. Publs.: Contbd. to "School Shop". Mem.: N.E.A.; A.C.I.A.T.E.; A.I.A.A., State Membership Chair.; N.J. Ind. Arts Assn., Edn. Chair.; N.J. Voc. and Arts Assn.; N.J. Edn. Assn.; Epsilon Pi Tau; Phi Delta Kappa. Areas of Splty.: Tchr. Edn.; Guidance. Travel: Canada; Mexico; U.S.. Avoc. Ints.: Fishing; Golf.

FRASER, Burt, Instr., Univ. of Houston, Houston, Tex.. b.: Sept. 7, 1922, Farmersville, Tex.. Married. Edn.: B.S., Univ. of Houston, Houston, Tex., 1949; M.Ed., ibid, 1949. Exp.: Commercial Art, Fracraft Mfg. Co., 1936-40; Draftsman, Celtic Oil Corp., 1940-42; Aircraft Drafting and Metal Layout, U.S.A.A.F., 1942-45; Instr., Ind. Arts, Univ. of Houston, Houston, Tex., 1947—. Mem.: A.V.A.; Tex. Voc. Assn.; Amer. Soc. for Engrn. Edn.. Area of Splty.: Mechanical and Arch. Drawing. Avoc. Ints.: Woodwork; Photo.; Art; Handicrafts.

FREDERICK, Lawrence Mont, Head & Prof. of Ind. Arts, N.M. Western Coll., Silver City, N.M.. b.: Apr. 25, 1921, Butler, Pa.. Married. Edn.: B.S., Pa. State Coll., 1942; M.S., Ia. State Coll., Ames, Ia., 1948; Grad. Study, Univ. of Mo., 1948-49. Exp.: Pa. State Schl. of Aero., 1942-43; U.S.N., Const. Battalion, 1943-46; Amer. Bantam Car Co., 1946-47; Research Asst., Univ. of Mo., 1948-49; N.M. Western Coll., Silver City, N.M., 1949---. Mem.: N.E.A.; N.M. Edn. Assn.; Iota Lambda Sigma; Phi Delta Kappa. Areas of Splty.: Ind. Edn.; Philosophy; Psychology. Travel: U.S.; Mexico; S. Pacific. Avoc. Ints.: Geography.

FREEMAN, L. E., Chair., Dept. of Ind. Edn., Univ. of Houston, Houston, Tex.. b.: Ill.. Married, one child. Edn.: B.S., McKendree Coll., Lebanon, Ill., 1925; M.S., Tex. A. & M. Coll., Coll. Station, 1939. Exp.: Pub. Schl. Teaching, 16 yrs.; Pub. Schl. Admin., 8 yrs.; Tchr. Edn., 8 yrs.. Mem.: Tex. State Tchrs. Assn.; N.E.A.; Tex. Voc. Assn.; S.T.A.. Areas of Splty.: Sec. Schl. Admin.; Stud. Teaching; Guidance.

FREEMAN, Marcellus W., Instr. and Head of Printing Div., Tuskegee Inst., Tuskegee, Ala.. b.: Feb. 8, 1887, Lafayette, Ala.. Married, four children. Edn.: Diploma, Tuskegee Inst., 1910; Other Study. Exp.: Kan. Voc. Schl., Topeka, Kan., 1912-25; Newspaper Work, 1914-16; Natl. Baptist Pub. House, Nashville, Tenn., 1935-36; Tuskegee Inst., 1938---. Mem.: Graphic Arts Assn.; State Tchrs. Assn.; Natl. Tchrs. Assn. Areas of Splty.: Bookbinding; Display Composition, Travel: U.S.; Canada. Avoc. Ints.: Religious Writing; Bible Interpretation.

FREEMAN, Otis L., Prof., Head of Ind. Arts Dept., Middle Tenn. State Coll., Murfreesboro, Tenn.. b.: April 12, 1903, Mt. Pleasant, Tenn.. Married, one child. Edn.: B.S., Middle Tenn. State Coll., Murfreesboro, 1928; M.S., Ia. State Coll. of A. & M. Arts, Ames, Ia., 1933. Exp.: Ind. Arts, Humes H. Schl., Memphis, Tenn., 1928-33; Dir., Ind. Shops, Memphis Tech. H. Schl., Memphis, Tenn., 1933; Prof., Ind. Arts Edn., Middle Tenn. State Coll., Murfreesboro, Tenn., 1934, Head of Ind. Arts Dept., 1934---. Publs.: Contbd. to "Tenn. Tchr."; Co-ordinator, "Handbook for Ind. Arts Tchrs. of Tenn.". Mem.: A.I.A.A.; N.E.A.; A.V.A.; A.C.I.A.T.E.; A.A.U.P.; Tenn. Voc. Assn.; Tenn. Edn. Assn.; Middle Tenn. Ind. Arts Roundtable Assn., Charter Mem.: Psi Chi; T.I.A.V.E.A., Past Pres., 2 yrs. Areas of Splty.: Drawing; Woodwork; Metalwork; Crafts; Plastics. Travel: United States. Avoc. Ints.: Hunting; Sports; Reg. Polled Hereford Breeding.

FRENCH, C. B. (l.i.), M.S., Prof. and Hd., Ind. Arts Dept., Southeastern State Coll., Durant, Oklahoma.

FRIESE, John F., Prof. of Ind. Arts Edn., The Pa. State Coll., State

Coll., Pa.. b.: Nov. 2, 1894, St. Cloud, Minn.. Married, three children. Edn.: Diploma, Bradley Polytechnic Inst., 1912; B.S., ibid, 1925; M.S., Univ. of Wis., 1930. Exp.: Tchr., Ind. Arts, Stanstead Coll., Stanstead, Quebec and Bonner's Ferry, Idaho; Tchr., Dir. of Ind. Arts, Voc. Ind. Edn., Guidance, and Adult Edn., St. Cloud, Minn., 8 yrs.; Tchr. Trainer in Ind. Edn., Univ. of Wis. and Univ. of Wis. H. Schl., 4½ yrs.; Tchr. Trainer, Voc. Ind. Edn. and Ind. Arts, Pa. State Coll., 12½ yrs.; Prof. of Ind. Arts, Pa. State Coll., 1944---. Publs.: Blueprinting, 1919; Farm Blacksmithing, 1921; Man. Arts in the Jr. H. Schl., joint author, 1925; Exploring the Man. Arts, 1926; Cosmopolitan Evening Schl., 1929; Ind. Arts in Mod. Edn., with others, 1934; Coursemaking in Ind. Edn., experimental 1934, commercial 1946; Contbd. to the following mags.: "I.A.V.E."; "Schl. Shop"; "Ind. Edn."; "Voc. Edn."; "Amer. Voc. Jour."; "Occupations"; "The Voc. Guid. Mag."; "Edn."; Others. Mem.: N.A.I.T.T.; A.V.A.; Miss. Valley Ind. Arts Conf.; Pa. Voc. Assn.; Pa. Edn. Assn., Sectry., Ind. Edn. Dept.; A.I.A.A.; Mt. Arts Assn., Pres.; Nat. Com. on Accreditation of Ind. Arts Tchr. Edn.; Phi Delta Kappa; Iota Lambda Sigma. Area of Splty.: Curr. and Course Making. Travel: U.S.; Canada. Avoc. Ints.: Growing Varieties of Trees.

FRYKLUND, Verne C., President, The Stout Inst., Menomonie, Wis.. b.: Jan. 4, 1896, Prentice, Wis.. Married, two children. Edn.: Diploma, The Stout Inst., 1916; A.B., Colo. Coll. of Edn., Greeley, 1923; M.A., Univ. of Mo., Columbia, 1927; Ph.D., Univ. of Minn., Minneapolis, 1933. Exp.: Detroit (Mich.) Pub. Schls., 1916-17; Pub. Schls., Greeley, Colo., 1919-20; Colo. Coll. of Edn., 1920-21; Pub. Schls., Houston, Tex., 1921; Pub. Schls., Denver, Colo., 1921-22; Instr. and Hd. of Dept., State Tchrs. Coll., Kearney, Neb., 1922-30; Instr. and Asst. Prof., Univ. of Minn., 1930-37; Supv. of Pub. Schls. and Assoc. Prof., Wayne Univ., Detroit, Mich., 1937-41; Assoc. Prof., Univ. of Minn., 1941-42; Pres., The Stout Inst., 1945---; U.S. Army, 1916-17; Lt. Col., U.S. Army, Personnel Distribution Command, 1942-45, decorated, Legion of Merit; Research, Rock Island Arsenal, 1941; Colonel, U.S. Army Reserve, 1946; Visiting Consultant in Edn. in Japan, 1948. Publs.: Principles of Trade and Ind. Teaching, co-author, 1930, Russian Translation 1931, revised edition 1946; Trade and Job Analysis, author, 1942, revised, 1946; Materials of Construction, co-author, 1943; General Drafting, co-author, 1943; General Shop Woodworking, co-author, 1936, revised editions 1940, 1946; Ind. Arts Tchr. Education in U.S., 1940; Selection and Training of Modern Factory Workers, 1933; About 70 mag. articles. Mem.: Fellow, Amer. Assn. for Advancement of Edn.; A.V.A., life mem.; N.E.A.; Amer. Edn. Research Assn.; Amer.

Assn. of Tchr. Trainers in Voc. Edn., pres., 1940; Mich. Ind. Edn. Soc., life mem.; Wis. Voc. Assn.; Wis. Edn. Assn.; Ind. Arts Conf., life chairman; Phi Delta Kappa; Epsilon Pi Tau, Laureate Mem.; Mu Sigma Pi, National Honorary Chair.; Iota Lambda Sigma, National Honorary Mem.; Masons; Amer. Legion.

FUZAK, John A., Chair., Dept. of Ind. Arts Edn., Mich. State Coll., E. Lansing, Mich.. b.: Aug. 30, 1914, Crewe, Va.. Married, two children. Edn.: B.S., Univ. of Ill., 1939; M.S., ibid, 1941; M.Ed., ibid, 1945; Ed.D., ibid, 1948. Exp.: Tchr., Ind. Arts, H. Schl., 1939-44; Instr., Ind. Edn., Univ. of Ill., 1944-48; Assoc. Prof. and Chair., Dept. of Ind. Edn., Mich. State Coll., 1948---. Publs.: Contributed to "Education". Mem.: A.V.A.; A.I.A.A.; A.C.I.A.T.E.; A.A.U.P.; Miss. Valley Ind. Arts Conf.; Mich. Ind. Edn. Soc.; Mich. Voc. Tchr. Training Com.; Amer. Assn. for Student Teaching; State of Mich. Curr. Planning Com. in Ind. Arts, Chair.; Phi Delta Kappa; Kappa Delta Pi. Areas of Splty.: Wood; Sheet Metal; Evaluation. Avoc. Ints.: Athletics; Shopwork; Photography.

GAEDE, Robert C., Asst. Prof. of Ind. Arts, Kent State Univ., Kent, Ohio. b.: Nov. 6, 1920, Cleveland, Ohio. Edn.: B. of Arch., Univ. of Mich., 1947. Exp.: Draftsman and Designer, 1947-48; Instr., Arch., Kent State Univ., Kent, Ohio, 1948—; Designer, 1950--. Publs.: Contbd. to "The Ohio Architect". Area of Splty.: Architecture.

GAIL, George C., Asst. Prof., The Agri. and Tech. Coll. of Greensboro, Greensboro, N. C.. b.: Sept. 22, 1918, Baltimore, Md.. Married, one child. Edn.: B.S., A. and T. Coll., Greensboro, N. C., 1948; M.A., Univ. of Minn., Minneapolis, 1949. Exp.: Asst. Prof. of Ind. Arts, A. and T. Coll., Greensboro, N. C., 1941---. Mem.: A.V.A.; N.A.I.T.T.; Phi Delta Kappa. Areas of Splty.: Teacher Training; Woodwork; Drawing. Travel: Africa; Italy; Sicily; Switzerland; U.S. Avoc. Ints.: Photo.; Fishing; Golf; Woodcarving.

GAINES, Thomas R., Asst. Prof. of Ind. Arts, Central Mo. State Coll., Warrensburg, Mo.. b.: Dec. 29, 1922, Peculiar, Mo.. Married, three children. Edn.: B.S., Central Mo. State Coll., 1946; M.A., Colo. State Coll. of Edn., 1950. Exp.: Tchr., Ind. Arts, H. Schl., 1946-49; Central Mo. State Coll., 1949---. Mem.: N.E.A.; A.V.A.; A.I.A.A.; Mo. State Tchrs. Assn.; Mo. Voc. Assn.. Area of Splty.: Metalwork. Travel: England.

GAITER, Worrell G., Instr., Tuskegee Inst., Tuskegee, Ala.. b.: June 26, 1918, Seaside Heights, N.J.. Married, two children. Edn.: B.S., Hampton Inst., 1940; M.A., N.Y. Univ., 1951. Exp.: Tuskegee Inst.,

1946—. Mem.: Amer. Tchrs. Assn.; A.C.I.A.T.E.; Ala. Tchrs. Assn. Area of Splty.: Cabinetmaking. Travel: U.S.; Central Europe. Avoc. Ints.: Scouting.

GALLINGTON, Ralph O., Prof. of Ind. Arts Edn., The Pa. State Coll., State Coll., Pa.. b.: Nov. 18, 1908, Dennison, Ill.. Married, two children. Edn.: B.S., Indiana State Coll., 1931; M.A., Tchrs. Coll., Columbia Univ., 1937; Ed.D., George Wash. Univ., 1947. Exp.: Instr., Ind. Arts, Baltimore Co. Pub. Schls., 1931-38; Asst. Prof. of Ind. Arts, Univ. of Md., 1938-44; Ind. Exp., 1943-47; Assoc. Prof. of Ind. Arts Edn., Eastern Ill. State Coll., 1947-48; Prof., Ind. Arts Edn., Pa. State Coll., 1948—. Publs.: Contbd. to "I.A.V.E." and other Profnl. Journals. Mem.: N.E.A.; A.V.A.; N.A.I.T.T.; A.C.I.A.T.E.; Pa. Voc. Assn.; Phi Delta Kappa; Iota Lambda Sigma; Epsilon Pi Tau. Areas of Splty.: Research in Ind. Arts Edn.; Electricity; Sheet Metal; Mach. Shop; Gen. Shop. Avoc. Ints.: Scouting.

GAMETT, La Vell, Instr., Brigham Young Univ., Provo, Utah. b.: July 25, 1912, Pleasant Grove, Utah. Married, three children. Edn.: B.S., Brigham Young Univ., Provo, Utah, 1935; M.S., Ore. State Coll., Corvallis, 1951. Exp.: Tchr., Ind. Arts, H. Schl., 1935-46; Brigham Young Univ., Provo, Utah, 1946—; Carpentry, 1 yr.; Painting, 1 yr.. Area of Splty.: Mechanics.

GANNAWAY, R. E. (l.i.), Instr., Ind. Arts Dept., Austin Peay State Coll., Clarksville, Tennessee.

GARBER, J. Frank, Asst. Prof., W. Va. Inst. of Tech., Montgomery, W. Va.. b.: Oct. 9, 1901, Mt. Jackson, Va.. Married, two children. Edn.: B.A., Calif. State Coll., Santa Barbara, 1926; M.Ed., Pa. State Coll., 1940. Exp.: Tchr., Pub. Schls., 16 yrs.; Coll., 5 yrs.. Publs.: Contbd. to "Delaware School Journal". Mem.: A.I.A.A.; A.V.A.; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Woodwork; Methods and Admin.. Travel: U.S.. Avoc. Ints.: Golf; Boating; Reading; Youth Activities.

GARDNER, Eugene V., Asst. Prof., Bennett Coll., Bradley Univ., Peoria, Ill.. b.: Dec. 24, 1915, Scanlon, La.. Married, one child. Edn.: B.S., Kan. State Tchrs. Coll., 1940; M.S., Ia. State Coll., 1949. Exp.: Sr. H. Schl. and Jr. Coll., 1940-43; Escola Technica de Avialoa, Sao Paulo, Brazil, 1945-47; Bradley Univ., 1947—. Mem.: Ill. Voc. Assn.; A.V.A.. Areas of Splty.: Metal; Aeronautics. Travel: Brazil. Avoc. Ints.: Radio; Aeronautics.

GARY, E. L. (l.i.), Sr. Tech., Dept. of Ind. Edn., Tenn. A. and I. State Coll., Nashville, Tennessee.

GERBACHT, C. J., Assoc. Prof. of Ind. Arts Edn., Div. of Fine and Appld. Arts, State Tchrs. Coll., Mankato, Minn.. b.: April 5, 1921, Buffalo, N. Y.. Married, two children. Edn.: B.S., N. Y. State Coll. for Tchrs., Buffalo, 1942; M.A., Ohio State Univ., Columbus, 1948; Ph.D., ibid, 1949. Exp.: Instr., N. Y. State Coll. for Tchrs., Buffalo, 1942-43; U.S. Army, 1943-46; Grad. Asst., Ohio State Univ., 1947-49; Assoc. Prof. of Ind. Arts Edn., State Tchrs. Coll., Mankato, Minn., 1949—. Publs.: Directory of Ind. Arts Tchr. Edn. in U.S., A.I.A.A., 1948; Contbd. to "Ind. Arts Tchr.", "Minn. Edn. Jour.". Mem.: N.E.A.; A.V.A.; A.A.U.P.; A.I.A.A.; Minn. Edn. Assn.; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Profnl. Courses; Admin.; Electronics; Woodwork; Drawing. Travel: United States.

GERBER, H. P., Chair., Div. of Ind. Arts, Prof. of Ind. Arts, Northern State Tchrs. Coll., Aberdeen, S.D.. b.: 1888, Menomonie, Wis.. Married, eight children. Edn.: B.S., Northern State Tchrs. Coll., Aberdeen, S.D., 1930; M.S., Ia. State Coll., Ames, 1935. Exp.: Dir., Ind. Arts, Stanley H. Schl., Wis., 1909-13; Northern State Tchrs. Coll., Aberdeen, S.D., 1913—; Wis. R.R. Comm.. Publs.: Contbd. to "I.A.V.E.". Mem.: N.A.I.T.T.; A.I.A.A.; Amer. Fed. of Tchrs.. Areas of Splty.: Wood; Drafting; Metals; Voc. Edn.. Travel: Italy; Mexico; U.S.. Avoc. Ints.: Photography.

GERRISH, Howard H., Head, Ind. Arts Dept., Univ. H. Schl., Univ. of Mich., Ann Arbor, Mich.. b.: Dec. 10, 1910, Lisbon Falls, Maine. Married. Edn.: B.S., Univ. of Mich., 1947. Exp.: Tchr., H. Schl., 5 yrs.. Mem.: N.E.A.; Mich. Ind. Edn. Soc.; Mich. Edn. Assn.; Phi Delta Kappa; Phi Delta Phi. Area of Splty.: Ind. Arts. Avoc. Ints.: Music.

GIBBONS, Leslie L., Asst. Prof., Colo. A. & M. Coll., Fort Collins, Colo.. b.: Apr. 15, 1907, Evart, Mich.. Married, three children. Edn.: B.S., Colo. A. & M. Coll., Fort Collins, Colo., 1930; M.S., ibid, 1940. Mem.: A.V.A.; Colo. Voc. Tchrs., Sec. V. Pres.; C.V.A., Pres., Local. Area of Splty.: Farm Mechanics. Avoc. Ints.: Radio; Sports.

GILBERT, Harold G., Instr., State Univ. of N.Y., Tchrs. Coll., Oswego, N.Y.. b.: May 20, 1921, Buffalo, N.Y.. Married, two children. Edn.: B.S., State Tchrs. Coll., Buffalo, N.Y., 1942; M.A., Ohio State Univ., 1947; Currently Working on Ph.D., Ohio State Univ.. Exp.: Tchr., Ind. Arts, H. Schl., Holley, N.Y., 1942-44; U.S. Army, 1944-46; Grad. Asst., Ind. Arts, Ohio State Univ., 1946-47; Instr., Ind. Arts, Tchrs. Coll., Oswego, N.Y., 1947—; Leave of Absence to Ohio State Univ., 1950-51. Publs.: A Course of Study for Gen. Metals Shop, co-author, published by Oswego State Tchrs. Coll.. Mem.: Epsilon Pi Tau, Laureate Mem.;

A.I.A.A.; A.V.A.; A.C.I.A.T.E.; Kappa Delta Pi. Area of Splty.: Ind. Arts Tchr. Edn.. Travel: Pacific Islands; Korea; U.S.. Avoc. Ints.: Soccer; Swimming; Tennis; Volleyball; Home Workshop.

GILDEN, Ralph F., Asst. Prof., Mich. State Norm. Coll., Ypsilanti, Mich.. b.: Nov. 5, 1917, Detroit, Mich.. Married, three children. Edn.: B.S., Mich. State Norm. Coll., Ypsilanti, Mich., 1942; M.A., Univ. of Mich., 1948. Exp.: Mich. State Norm. Coll., 1942—; Roosevelt Lab. Schl., 1942; Lincoln Consolidated Schl., 1942. Mem.: State Guidance Com.; Wolverine Guidance and Personnel Assn., Membership Chair.; Phi Delta Kappa; Iota Lambda Sigma. Areas of Splty.: Gen. Shop; Mech. Drawing. Travel: U.S.. Avoc. Ints.: Coll. Committee Work; Hunting; Fishing.

GILES, Charles S., Interm Instr. of Ind. Arts and Voc. Edn., Univ. of Fla., Gainesville, Fla.. b.: Dec. 1, 1914, Arlington, Mass.. Married. Edn.: B.S., Fla. Sou. Coll., Lakeland, 1948; M.A., ibid, 1949; Post Grad. Work, Boston Univ. and Univ. of Fla., 1950-52. Exp.: Free Lance Art Work, 1936-38; Layout Artist, Boston, Mass., 1937-38; Artist and Display Designer, Newton, Mass., 1938-40; Instr. of Comml. Art, Essex County Tech. and Voc. H. Schl., Newark, N. J., 1942-46; Prof. of Art, Fla. Sou. Coll., Lakeland, 1946-51; Interm Instr. of Ind. Art and Voc. Edn., Univ. of Fla., Gainesville, 1951-53. Mem.: A.A.U.P.; A.C.I.A.T.E.; A.I.A.A.; Fla. Edn. Assn.; Kappa Pi; Kappa Delta Pi; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Fine Arts; Art Edn.; Ind. Arts. Travel: Italy; Switzerland; N. Africa; Guatemala. Avoc. Ints.: Landscape Painting; Sculpture; Ceramics; Ind. Design; Portrature.

GILLIARD, Joseph W., Asst. Prof., Hampton Inst., Hampton, Va.. b.: Nov. 23, 1914, Taylor, S.C.. Married, two children. Edn.: B.S., Hampton Inst., Hampton, Va., 1941. Exp.: Instr., Ceramics, Sculpture, Hampton Inst., Hampton, Va., 1941-42, Ceramics, Wood, Metal and Home Crafts, 1944—; Development of Three-Dimensional Training Aids for U.S. Navy, 1942-44. Mem.: Amer. Ceramic Soc.. Areas of Splty.: Ceramics; Gen. Shop.

GILLIS, John A., Prof. and Head, Dept. of Ind. Arts, W. Tex. State Coll., Canyon, Tex.. b.: June 29, 1893, Fla.. Married, one child. Edn.: B.S.E., Univ. of Fla., Gainesville, 1920; M.A., Geo. Peabody Coll. for Tchrs., Nashville, Tenn., 1928; Other Grad. Work. Exp.: Electrician Apprentice, 1 yr.; Carpenter, 1 yr.; Cabinetmaker, 2 yrs.; Tchr., Elem. Schl., 8 yrs.; Tchr., H. Schl., Fla., 4 yrs.; Tchr., Ind. Arts, Coll. Level, 22 years.

GILYARD, Odell, Instr., Langston Univ., Langston, Okla.. b.: Oct. 1, 1906, Muskogee, Okla.. Married, two children. Edn.: B.S., Langston Univ., Langston, Okla., 1937. Exp.: Teaching, 1937—. Mem.: A.V.A.; O.A.N.T.; Okla. Assn. of Ind. Arts Tchrs.. Areas of Splty.: Auto. Mech.; Welding. Avoc. Ints.: Fishing; Hunting; Golf; Photography.

GIMBEL, Armin Fred, Instr., Southwest Mo. State Coll., Springfield, Mo.. b.: Sept. 27, 1911, Herington, Kan.. Married. Edn.: B.S., Emporia State Coll., Emporia, Kan., 1941; M.A., Colo. State Coll. of Edn., Greeley, Colo., 1948. Exp.: Tchr., Grade Schl., Dickinson Co., Kan., 1929-38; Tchr., Jr. H. Schl., Cedar Vale, Kan., 1938-40; Tchr., H. Schl., Bonner Springs, Kan., 1940-41; Boeing Airplane Co., Wichita, Kan., 1941-42; Armed Forces, 1942-46; Tchr., H. Schl., Joplin, Mo., 1946-47; Instr., Southwest Mo. State Coll., 1948—. Publs.: Contbd., "I.A.V.E.", Sept., 1950. Mem.: Mo. State Tchrs. Assn.; Mo. Voc. Assn.; Mo. Ind. Edn. Assn.; A.V.A.; N.E.A.. Area of Splty.: Metalwork. Travel: U.S.; England; Scotland; France; Belgium; Holland; Germany; Czechoslovakia. Avoc. Ints.: Travel; Hunting; Fishing.

GINTZ, W. (l.i.), M.A., Prof., Dept. of Ind. Arts, Sam Houston State Tchrs. Coll., Huntsville, Texas.

GLAZENER, Everett R., Head, Dept. of Ind. Edn., Ark. Agri. and Mech. Coll., Coll. Heights, Ark.. b.: Fairfield, Texas. Married, two children. Edn.: B.S., Texas A. & M. Coll., 1942; M.Ed., ibid, 1946. Exp.: Truck Driver, 1936; Jr. Engr., U.S. Corps of Engrs., 1941; Instr., Texas A. & M. Coll., 1942-44; Tchr., H. Schl. and Jr. Coll., 1945-46; Ark. A. & M. Coll., 1946—. Publs.: Contributed to various magazines. Mem.: A.I.A.A.; A.V.A.; Ark. Voc. Assn.; Ark. Edn. Assn.; Ark. Ind. Arts Assn., Sr. Mem., Bd. of Directors. Areas of Splty.: Drawing; Woodwork; Gen. Shop; Admin.. Travel: U.S.. Avoc. Ints.: Philately; Leathercraft; Woodwork.

GLOW, Stanley A., (l.p.) Instr., Mich. State Normal Coll., Ypsilanti, Mich. b.: Dec. 16, 1916, Toledo, Ohio. Married, one child. Edn.: B.S., Mich. State Normal Coll., 1939; M.A., Univ. of Mich., 1948; Working on Ph.D., Univ. of Mich. Exp.: Tchr., Pub. Schls., 4 yrs.; Mich. State Normal Coll., 1947—. Publs.: Contributed to "I.A.V.E." and "Schl. Shop". Mem.: N.A.I.T.T.; Mich. Ind. Edn. Soc.; Iota Lambda Sigma; Phi Delta Kappa. Areas of Splty.: Arts and Crafts; Metalwork. Travel: U.S.; Canada. Avoc. Ints.: Indian Crafts.

GODFREY, Edgar C., Asst. Prof., Ga. Tchrs. Coll., Collegeboro, Ga.. b.: Sept. 5, 1919, Point Pleasant, W. Va.. Married. Edn.: B.S., Ohio Univ., 1941; M.S., ibid, 1949. Exp.: Draftsman, Marietta Mfg. Co. Ship

Yards, 1941-44; Instr., Engnr. Draw., Ohio Univ., 1947-49; Asst. Prof. of Ind. Arts, Ga. Tchrs. Coll., 1949—. Mem.: Ga. Edn. Assn.; Ga. Ind. Arts Assn.; Amer. Society for Engrn. Edn.; Epsilon Pi Tau. Areas of Splty.: Mech. Draw.; Cabinet Making; Graphic Arts. Travel: France; Belgium; England; Holland; Germany. Avoc. Ints.: Photo.; Model Making; Restoring Period Furn..

GOETZ, Robert E., Assoc. Prof. of Ind. Arts, Central Mo. State Coll., Warrensburg, Mo.. b.: Mar. 14, 1920, Smithton, Mo.. Married, two children. Edn.: B.S., Central Mo. State Coll., 1943; M.A., Colo. State Coll. of Edn., 1948. Exp.: Central Mo. State Coll., 1946—; U.S.A.A.F., 1944-46. Mem.: N.E.A.; Mo. Ind. Arts Assn.; Mo. Voc. Assn.; Mo. Tchrs. Assn.. Areas of Splty.: Printing; Bookbinding; Photo.; Metals. Travel: U.S.. Avoc. Ints.: Sports.

GONCE, James H., Instr., Middle Tenn. State Coll., Murfreesboro, Tenn.. b.: Dec. 28, 1921, Tenn.. Married, two children. Edn.: B.S., Univ. of Ala., 1949; M.A., ibid, 1950. Exp.: Ind. Arts Tchr., H. Schl., 1949-52; Instr. of Ind. Arts, Middle Tenn. State Coll., 1952—; Tool Design and Experimental Metalwork, 6 yrs.. Publs.: Contbd. to "I.A.V.E.". Mem.: A.I.A.A.; Ala. Edn. Assn.; Tenn. Edn. Assn.; Middle Tenn. Ind. Arts Roundtable; Ala. Ind. Arts Assn.; Phi Delta Kappa. Areas of Splty.: Gen. Shop; Gen. Metals; Mech. Drawing; Crafts. Travel: World Wide. Avoc. Ints.: Reading; Architecture; Radio; Art.

GOODWIN, John B., Asst. Prof. of Ind. Arts, Ariz. State Coll., Tempe, Ariz.. b.: Feb. 16, 1905, Tempe, Ariz.. Married. Edn.: B.A., Ariz. State Coll., Tempe, 1933; M.S., Ore. State Coll., Corvallis, 1942. Exp.: Tchr., H. Schl., Jerome, Ariz., 23 yrs.; Ariz. State Coll., Tempe, 4 yrs.; U.S.A.A.C., 3 yrs.. Mem.: Ind. Arts Assn. of Classroom Tchrs.. Areas of Splty.: Drafting; Wood-Turning; Upholstery; Cabinetmaking. Travel: U.S.; England; Russia; Egypt; Palestine; Iran; Scotland; Ireland; Iceland; Canada; Mexico; Iraq. Avoc. Ints.: Hunting; Fishing; Golf; Baseball; Football; Basketball.

GORE, L. L. (l.i.), Ed.D., Prof., Ind. Edn., George Peabody Coll. for Tchrs., Nashville, Tennessee.

GRABAU, A. W. (l.i.), M.A., Asst. Prof., Ind. Arts Div., N.Y. State Coll. for Tchrs., Buffalo, New York.

GRAY, E. H. (l.i.), Assoc. Prof., Dept. of Ind. Edn., Tenn. A. and I. State Coll., Nashville, Tennessee.

GREEN, T. B. (l.i.), B.S., Instr., Div. of Ind., Central State Coll.,

Wilberforce, Ohio.

GREENE, Frank T., Assoc. Prof., Va. State Coll., Petersburg, Va.. b.: Aug. 28, 1904, Kansas City, Kan.. Married. Edn.: B.S., Kan. State Coll., 1928; M.S., Ia. State Coll., 1932; Other Grad. Study. Exp.: Va. State Coll., 1928---. Mem.: A.V.A.; Old Dominion Voc. Association.

GRIFFIN, F. L. (l.i.), Asst. Prof., Dept. of Ind. Arts, Univ. of Calif., Santa Barbara Coll., Santa Barbara, California.

GRIFFIN, H. W., Jr. (l.i.), B.S., Instr., Dept. of Ind. Edn. and Ind. Management, Va. State Coll., Petersburg, Virginia.

GRIGGS, Walter L., Asst. Prof., Va. Poly. Inst., Blackburg, Va. b.: Jan. 26, 1917, Red Creek, N.Y. Married. Edn.: B.S., State Tchrs. Coll., Oswego, N.Y., 1940; Working on M.S. Exp.: Instr. of Ind. Arts, Pulaski H. Schl., Va., 1940-42; 1946-48; U.S.A.A.F., 1943-45; Asst. Prof., Va. Poly. Inst., 1948---. Mem.: N.E.A.; A.V.A.; A.C.I.A.T.E.; A.I.A.A.; N.A.I.T.T.; Va. Edn. Assn.; Va. Voc. Assn. Areas of Splty.: Graphic Arts; Electricity.

GRINNELL, Albert A., Jr., Assoc. Prof., Ind. Arts Edn., Miami Univ., Oxford, Ohio. b.: Nov. 4, 1892, Medina, N.Y.. Married, two children. Edn.: B.S., Miami Univ., Oxford, Ohio, 1920; M.A., Columbia Univ., 1925; Adv. Grad. Study, Ohio State Univ., 1935-41. Exp.: Tchr., Dist. Schl., 1912-13; Asst. Prof., Ind. Arts Edn., Miami Univ., Oxford, Ohio, 1920-29; Assoc. Prof., Ind. Arts Edn., ibid, 1930---. Mem.: Phi Delta Kappa; Epsilon Pi Tau, Faculty Trustee; A.I.A.A.; A.C.I.A.T.E.; O.E.A.; Miami Valley Ind. Arts Assn.. Areas of Splty.: Ind. Arts Edn.; Voc. Edn.; Voc. Guid.. Travel: France; Germany; Canada; U.S.. Avoc. Ints.: Gardening; Supv. of Farm; Reading; Travel and Current Mag..

GRINSTEAD, N. B., Prof. of Ind. Arts, Chair., Div. of Appld. Art and Science, Central Mo. State Coll., Warrensburg, Mo.. b.: May 7, 1896, Leeton, Mo.. Married, one child. Edn.: B.S., Central Mo. State Coll., 1921; M.A., Ohio State Univ., 1928. Exp.: Tchr., Ind. Arts, H. Schl., 3 yrs.; Coll. Ind. Arts, 1921---. Publs.: Contributed to various magazines. Mem.: N.E.A.; A.V.A.; Mo. State Tchrs. Assn.; Voc. Assn. of Ind. Tchr. Trainers; Mo. Ind. Edn. Assn.. Area of Splty.: Drafting.

GRISENBROCK, Herman, Jr., Instr., Western Ill. State Coll., Macomb, Ill.. b.: Oct. 31, 1924, Muscatine, Ia.. Married, one child. Edn.: B.A., Ia. State Tchrs. Coll., Cedar Falls, Ia., 1948; M.A., Colo. State Coll. of Edn., Greeley, Colo., 1950. Exp.: Cedar Falls H. Schl., Cedar Falls, Ia., 1948; Tama H. Schl., Tama, Ia., 1948-49; Colo. State Coll. of Edn., Greeley, Colo., 1950; Western Ill. State Coll., Macomb, Ill.,

1950—. Mem.: A.I.A.A.; A.A.U.P.; N.E.A.; Ill. Edn. Assn.; Kappa Delta Pi; Phi Delta Kappa; Delta Phi Delta; Epsilon Pi Tau. Area of Splty.: Metalwork. Travel: Europe. Avoc. Ints.: Fishing.

GROEBLI, John M., Instr., Univ. of Calif., Santa Barbara Coll., Santa Barbara, Calif.. b.: Jan. 18, 1922, Elko, Nev.. Married, one child. Edn.: B.A., Univ. of Calif., Santa Barbara, 1946; M.S., Univ. of Southern Calif., Los Angeles, 1948. Exp.: Aircraft Inspector, Douglas Aircraft Corp., 1942-43; U.S.A.A.C., 1943-45; Instr., Cal-Aero Technical Inst., Glendale, Calif., 1946; Instr., Univ. of Calif., Santa Barbara, 1946—. Publs.: Metalworking Fundamentals, 1948; Educational Research, 1948; Freehand Drawing, 1949. Mem.: A.C.I.A.T.E.; N.A.I.T.T.; Epsilon Pi Tau; Phi Delta Kappa. Area of Splty.: Drafting. Travel: England; France; Belgium; Luxembourg; Germany; Austria; U.S..

GRONEMAN, Chris Harold, Prof., Head of Ind. Edn. Dept., The A. & M. Coll. of Texas, Coll. Station, Texas. b.: May 29, 1906, Newton, Kan.. Married. Edn.: B.S., Kan. State Tchrs. Coll., Pittsburg, Kan., 1931; M.S., ibid, 1935; Ed.D., Pa. State Coll., 1950. Exp.: Ind. Arts and Athletics, Rural H. Schl., Mayetta, Kan., 1930-32; Ind. Arts and Athletics, H. Schl., Plains, Kan., 1932-33; Ind. Arts, Jr. Coll. and H. Schl., Woodward, Okla., 1933-35; Asst. Dean and Supv., Ind. Edn., Jr. Coll., Woodward, Okla., 1935-37; Asst. Prof., Ind. Arts Edn., Supv. of Stud. Tchrs., 1937-40; The A. & M. Coll. of Texas, Coll. Station, Texas, 1940—. Publs.: Gen. Bookbinding, 1941; Bent Tubular Furniture, 1941; Applied Leathercraft, 1942; Exploring the Industries, co-author, 1945; Making Things is Fun, co-author, 1945; Elem. and Applied Welding, co-author, 1948; Modern Shop Organization, 1948; Ornamental Tin Craft, 1949; Plastics Made Practical, 1948; Leather Tooling and Carving, 1950; 92 magazine articles in: "I.A.V.E."; "Ind. Edn."; "School Shop"; "Amer. Voc.-Jour.". Mem.: Tex. Voc. Assn., Pres., 1946-47, V. Pres., 1945-46, 1947-48; Tex. Tchrs. Assn., Ind. Arts Div., Chair., 1941-46; Tex. Ind. Arts Tchrs., Chair., Policy and Planning Com., 1948-50; Inst. of Air Age Activities, Sectry., 1946-49; Okla. Assn. Municipal Jr. Colls., Chair., Ind. Div., 1935-37; A.C.I.A.T.E.; A.I.A.A.; A.V.A., Policy and Planning Com., 1948—; Miss. Valley Ind. Arts Conf.; Iota Lambda Sigma; Phi Delta Kappa. Areas of Splty.: Woodwork; Handicrafts; Publs.. Travel: Survey trip through 17 states made for Model Ind. Assn., visited 23 Ind. Arts Tchr. Edn. Depts.. Avoc. Ints.: Hand Crafts; Gardening; Travel.

GROSS, A. F., Chair., Dept. of Ind. Arts Edn., Texas Coll. of Arts and Ind., Kingsville, Texas. b.: May 4, 1909, Camden, Ohio. Married, one child. Edn.: B.S. in Bus. Adm., Miami Univ., Oxford, Ohio, 1933;

B.S. in Edn., ibid, 1937; M.A., ibid, 1941. Exp.: Clinton Co. Bd. of Edn., Wilmington, Ohio, 1937-38; Supv., Arts and Ind., Wyoming Bd. of Edn., Wyoming, Ohio, 1938-43; Coordinator, Visual Edn., Sperry Gyroscope Co., Great Neck, N.Y., 1943-45; Chair., Ind. Arts Dept., Texas A. & I., Kingsville, Texas, 1945---. Publs.: Pamphlet, "Edn. Opportunities Through Arts and Ind.", 1940. Mem.: Epsilon Pi Tau, Laureate Mem.; Amer. Soc.; N.E.A.; S.W.O.I.A.A.; O.I.A.A.; A.I.A.A.; A.C.I.A.T.E.. Areas of Splty.: Edn.; Ceramics; Photo.. Travel: U.S.; Mexico. Avoc. Ints.: Ceramic Work; Reading.

GROSSE, Marion A., Prof., Head, Dept. of Ind. Arts, Fresno State Coll., Fresno, Calif.. b.: Aug. 5, 1892, Calif.. Married, one child. Edn.: Voc. Arts Diploma, Univ. of Calif., 1931; B.A., Fresno State Coll., Fresno, Calif., 1936; M.A., Stanford Univ., 1945. Exp.: Pract. Exp. in Ind., 1910-30; Fresno City Pub. Schls. and part time Fresno State Coll., 1930-40; Fresno State Coll., 1940--; On leave to Calif. State Dept. of Edn. as Supv. of Curr. Construction for War Production Training, 1941-43; Tech. Consultant, U.S. Office of Edn., Div. of Visual Edn., 1943-45; Head, Dept. of Ind. Arts, Fresno State Coll., 1945---. Publs.: Manual, "Ind. Arts in the Jr. H. Schls.", 1938; Organized and developed 13 unit courses for War Production Training. Mem.: A.V.A.; A.C.I.A.T.E.; A.I.A.A.; N.A.I.T.T.; N.E.A.; A.A.U.P.; Nat. Council of Local Administrators; Calif. Ind. Edn. Assn., Mem. of Various State Coms.; Kappa Delta Pi; Epsilon Pi Tau, Trustee, Alpha Lambda Chapt.. Areas of Splty.: Profnl. Courses; Woodwork. Travel: U.S.; Mexico. Avoc. Ints.: Boy Scout Activities; Collecting Historical Data on Early Lumbering in Calif..

GROVE, J. G., Prof., Head, Ind. Edn. Dept., E. Tex. State Tchrs. Coll., Commerce, Tex.. b.: Aug. 13, 1888, McMinnville, Tenn.. Married, 2 children. Edn.: B.S., Geo. Peabody Coll. for Tchrs., Nashville, Tenn., 1919; M.S., Univ. of Wis., Madison, 1924; Other Grad. Study. Exp.: Tchr., Rural Schls., Tenn., 1910-12; Prin., Pub. Schls., Tenn., 1912-14; Supt. of Schls., Tullahoma, Tenn., 1915-17; E. Tex. State Tchrs. Coll., Commerce, 1919--. Publs.: Various mag. articles. Mem.: N.E.A.; A.V.A.; A.I.A.A.; Tex. State Tchrs. Assn.; Tex. Voc. Assn.. Areas of Splty.: Methods and History; Woodwork. Travel: U.S.; Mexico; Canada. Avoc. Ints.: Cattle Raising; Fishing.

GUNDERSON, Harry, Assoc. Prof. of Ind. Arts, Eastern Ill. State Coll., Charleston, Ill.. b.: Dec. 31, 1906, Stoughton, Wis.. Married, two children. Edn.: Three Yr. Ind. Edn. Diploma, Wis. Tchrs. Coll., Oshkosh, Wis., 1929; B.S., Ohio State Univ., 1932; M.S., Ind. Univ., Bloomington, Ind., 1940; Ed.D., ibid, 1949. Exp.: Instr., Gen. Metals, Sec.

Schls., Richmond, Ind., 1929-41; Mach., Special Purpose, Dir. of Training for Machine Shop and Welding, Pressed Steel Car Co., Inc., Chicago, Ill., 1941-45; Instr., Edn. and Critic Tchr., Ind. Arts, Ind. Univ., Bloomington, Ind., 1945-48; Assoc. Prof., Eastern Ill. State Coll., Charleston, Ill., 1948—. Publs.: Contbd. to the following: "I.A.V.E."; "Ind. Edn."; Prof. Magazines; State Bull.. Mem.: A.V.A.; A.A.U.P.; Ill. Voc. Assn.; Ill. Edn. Assn.; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Mach. Shop; Sheet Metal. Travel: United States. Avoc. Ints.: Gardening; Home Workshop; Sports.

GUNDERSON, J. J. (l.i.), M.A., Instr., Dept. of Ind. Edn., Southern Ill. Univ., Carbondale, Illinois.

GUZMAN, Ignacio L., Assoc. Prof., Tuskegee Inst., Tuskegee, Ala.. b.: July 31, 1898, Bayamon, Puerto Rico. Married. Edn.: B.S., Ia. State Coll., 1939; M.S., ibid, 1948. Exp.: Professional, 1925-46, 1948—; Work, 1922-25, 1946-47. Publs.: From Distributor to Base, 1940; Photoengraving in Black and White, 1949. Mem.: International Graphic Arts Edn. Assn.; Amer. Tech. Soc.; A.C.I.A.T.E.. Areas of Splty.: Mach. Composition; Photoengraving. Travel: W. Indies; Mexico. Avoc. Ints.: Photography.

HACKETT, Donald F., Chair., Div. of Fine and Prac. Arts, Head, Ind. Arts Dept., Ga. Tchrs. Coll., Collegeboro, Ga.. b.: Nov. 8, 1918, Wakefield, Mich.. Married. Edn.: B.S., Univ. of Ill., 1940; M.Ed., Univ. of Mo., 1947. Exp.: Jr. Sr. H. Schl., Wellston, Mo., 1940-41; Leyden Community H. Schl., 1941; N.A.T.T.C., 1941-42; Trng. Officer, U.S.N., 1942-46; Tulelake H. Schl., Calif., 1946; Murray Tchrs. Coll., Murray, Ky., 1947-48; Ga. Tchrs. Coll., 1948—. Publs.: Contbd. to "I.A.V.E.". Mem.: Phi Delta Kappa; A.I.A.A.; A.C.I.A.T.E.; A.V.A.; N.A.I.T.T.; Ga. Ind. Arts Association.

HAGUE, Clifford W., Assoc. Prof., State Tchrs. Coll., Fitchburg, Mass.. b.: Feb. 20, 1893, Lake Mills, Wis.. Married, four children. Edn.: B.A., Lawrence Coll., Appleton, Wis., 1917; M.Ed., Harvard Univ., Cambridge, Mass., 1942. Exp.: Printing Trade, 6 yrs.; Head, Printing Dept., The Stout Inst., Menomonie, Wis., 1919-33; State Tchrs. Coll., Fitchburg, Mass., 1933—. Publs.: Printing Occupations; Printing for the Schools; Numerous Brochures and Mag. Articles on Printing. Mem.: Nat. Assn. for Printing Edn.; N.E.I.A.A.; Mass. Ind. Arts Assn.; Mass. State Tchrs. Coll. Assn.. Area of Splty.: Graphic Arts. Travel: U.S.. Avoc. Ints.: Farming; Outdoor Sports.

HAHN, Bruce J., Asst. Prof., Ore. State Coll., Corvallis, Ore.. b.: Dec. 14, 1907, Mountaindale, Ore.. Married, two children. Edn.: B.S.,

Ore. State Coll., Corvallis, 1930; M.S., ibid, 1941; Other Grad. Study. Exp.: Tchr., Ind. Arts, Jr.-Sr. H. Schl., Westwood, Calif., 1930-35; Tchr., Ind. Arts, Pub. Schls., Eugene, Ore., 1935-39; Supv. Tchr., Ind. Arts, H. Schl., Corvallis, Ore., 1939-43; Officer, U.S.N., 1943-46; Training Officer, Veterans Admin., 1946-47; Asst. Prof., Ore. State Coll., Corvallis, 1947—; Misc. Work Exp., Farming, Logging, Fishing, Carpentry, and Welding. Publs.: Editor, Ind. Arts Sect., "Ore. Edn. Jour.", 1942-43. Mem.: A.I.A.A.; N.A.I.T.T.; A.A.U.P.; Epsilon Pi Tau; Kappa Delta Pi. Areas of Splty.: History and Philosophy; Methods of Teaching; Audio-Visual Edn.. Travel: British Isles. Avoc. Ints.: Home Workshop; Photo.; Esperanto.

HAIGHT, Fletcher M., Instr., Univ. of Calif., Santa Barbara Coll., Santa Barbara, Calif.. b.: July 30, 1912, Hollywood, Calif.. Married, two children. Edn.: B.A., Pomona Coll., 1936; M.S., Univ. of So. Calif., 1948. Exp.: Tchr., Pub. Schls., 1937-42; U.S.A.A.F., 1942-46; Instr., Univ. of Calif., Santa Barbara Coll., 1950—. Mem.: A.I.A.A.; N.A.I.T.T.; Calif. Tchrs. Assn.; Phi Delta Kappa; Kappa Delta Pi; Epsilon Pi Tau. Areas of Splty.: Drafting; Design. Travel: U.S.; Canada; Mexico.

HAILES, Charles W., Instr., Ind. Edn., Utah State Agri. Coll., Logan, Utah. b.: May 18, 1913, Salt Lake City, Utah. Married, one child. Edn.: B.S., Utah State Agri. Coll., Logan, Utah, 1948. Exp.: Tchr., Weber Co. H. Schl., 1948-49; Instr., Ind. Arts, Utah State Agri. Coll., Logan, Utah, 1949—. Mem.: A.V.A.; Utah Voc. Assn.; Phi Delta Kappa. Area of Splty.: Ind. Arts Edn.. Travel: England; France; Norway; Sweden; Denmark; Holland; Germany; Switzerland; Italy; Mexico; S. Amer.; Alaska; Russia; Pacific Islands. Avoc. Ints.: Home Workshop.

HAINES, Ray Edward, Dir. Instructional Shops, Prof. Edn., N.Y.U., Wash. Square, N.Y.C.. b.: April 11, 1891, North Hampton, N.H.. Married, one child. Edn.: B.S., Univ. of N.H., 1915; M.A., N.Y. Univ., 1935. Exp.: Taught Ind. Arts at Franklin, N.H., 1914-15; Taught Ind. Arts and coached athls. Gunnery Schl., Wash., Conn., 1915-21; In charge experimental kiln drying, Curtis Airplane Co., Buffalo, N.Y., 1919-20; State Supv., Edn. Dept., Maine, 1921-22; Dir. of Tech. Schl., Coburn Classical Inst., Waterville, Me.; Head Instr. of Ind. Arts, New Rochelle Sr. H.S., 1927-29; N.Y. Univ., 1929—. Publs.: Home Mechanics Handbook, co-author; Home Crafts Handbook, editor. Mem.: N.E.A.; A.V.A.; N.Y.S.V.P.A.A.; N.Y. Univ. Christ. Assn.; Hon. mem. Westchester County Football Coaches. Areas of Splty.: Wood and metal shops; Supervision of shops and methods. Travel: United States; South

America.

HALL, C. R. (l.i.), M.S., Instr., Ind. Arts Edn., Agricultural, Mechanical and Normal Coll., Pine Bluff, Arkansas.

HALL, J. D., Asst. Prof., N. Tex. State Coll., Denton, Tex.. b.: Dec. 24, 1906, Mt. Pleasant, Tex.. Married, one child. Edn.: B.S., N. Tex. State Coll., Denton, 1926; M.S., Univ. of Mo., Columbia, 1933. Exp.: Teaching and Supervising Coll. Press, N. Tex. State Coll., Denton, 1927—. Area of Splty.: Printing. Avoc. Ints.: Photography.

HALL, Walter J., Instr., Prairie View Agri. and Mech. Coll., Prairie View, Texas. b.: Mar. 4, 1918, Great Bend Canyon, Texas. Married, four children. Edn.: B.S., Kan. State Tchrs. Coll., 1940; M.S., ibid, 1950. Exp.: Ind. Arts Tchr. Edn., 11 yrs. Mem.: N.E.A.; Amer. Foundry Soc. Area of Splty.: Mach. Shop. Avoc. Ints.: Mach. Shop; Welding; Foundry.

HALLETT, Glenn F., Instr., Agri. and Mech. Coll. of Tex., Coll. Station, Tex.. b.: Nov. 26, 1925, Okla.. Married. Edn.: B.S., A. & M. Coll. of Tex., 1952. Exp.: Halliburton Oil Well Co., 1941-42, 1948-49; Derrickman, 1943; U.S.A.A.F., 1944-45; A. & M. Coll. of Tex., Pattern Shop, 1949-50, Instr., 1951—. Mem.: A.V.A., Tex. Voc. Assn.. Areas of Splty.: Wood, Metal; Gen. Shop. Avoc. Ints.: Leather; Plastics; Gen. Shop Work.

HAMBURG, Merrill C., Assoc. Prof. of Ind. Edn., Wayne Univ., Detroit, Mich.. b.: Aug. 17, 1897, Trout Creek, Canada. Married, three children. Edn.: Univ. of Mich., 1924; B.S., Wayne Univ., 1928; M.A., ibid, 1941. Exp.: Ind. exp., six years; Advertising Mgr., Natl. Advertising Co., two years; Tchr., Detroit Pub. Schls., seventeen years; Supv., Ind. Arts, Detroit Pub. Schls., nine years. Publ.: Author, Beginning to Fly, 1927, second ed., 1930, The American Student Flyer, 1942; Riding on Air, 1943; Syndicated Model Aviation Articles, 55 newspapers, 1926-31; Syndicated weekly Handicraft page, 1935-41. Mem.: Aero Club of Mich., V-pres., Bd. of Dir., 1941-51; Inst. of Aeronautical Science; Academy of Model Aeronautics; A.I.A.A., V-pres., 1951-52; N.E.A.; A.V.A.; M.I.E.S.; P.T.A.; Epsilon Pi Tau. Areas of Splty.: Math; Voc. Edn.; Ind. Arts; Admin.. Travel: England; France; Italy; Switzerland; Canada; U. S.. Avoc Ints.: Hunting; Fishing; Athletics; Bees; Gardening.

HAMMERLUND, C. M., Asst. Prof. of Ind. Arts, Ill. State Normal Coll., Normal, Ill.. b.: April 17, 1896, Blairsburg, Iowa. Married, two children. Edn.: B.S., 1929; M.S., 1933. Exp.: Tchr., Pub. Schls., 1914-16,

1919-1928; Ill. State Normal Univ., 1929---. Mem.: Kappa Delta Pi; Phi Delta Kappa. Areas of Splty.: Drafting; Woodwork. Travel: U.S.; Canada. Avoc. Ints.: Golf; Fishing.

HAMMOND, James J., Dir. of Ind. Arts, State Tchrs. Coll., Fitchburg, Mass.. b.: Sept. 4, 1909, Fall River, Mass.. Married, two children. Edn.: B.S.E., State Tchrs. Coll., Fitchburg, Mass., 1934; M.Ed., Harvard Univ., 1943. Exp.: Bldg. Trades, 1926-27; Printing Trades, 1927-30; Tchr., Coach, Jr. H. Schl., Bedford, Mass., 1934-35; Tchr., Jr. H. Schl., Newton, Mass., 1935-37; State Tchrs. Coll., Fitchburg, Mass., 1937---. Publs.: Contbd. to: "The Grade Tchr."; "The Mass. Tchr."; "The Ind. Arts Tchr."; "A.V.A. Jour."; Others. Mem.: A.C.I.A.T.E.; A.I.A.A.; A.V.A.; N.A.I.T.T.; N.E.I.A.T.A.; Mass. Ind. Edn. Soc.; Mass. Voc. Assn.; Mass. Tchr. Coll. Assn.; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Methods; Curr.; Administration. Travel: Canada; U.S.. Avoc. Ints.: Music; Athletics; Reading; Crafts.

HAMMOND, Robert G., Asst. Prof. of Ind. Arts, Ill. State Normal Univ., Normal, Ill.. b.: June 6, 1919, Staunton, Ill.. Married, two children. Edn.: B.Ed., Ill. State Normal Univ., 1941; M.A., Colo. State Coll. of Edn., 1947. Exp.: U.S. Army, 1941-46; Ind. Arts Tchr., H. Schl., 1947-49; Ill. State Normal Univ., 1949---. Mem.: A.I.A.A.; Phi Delta Kappa; Iota Lambda Sigma. Areas of Splty.: Gen. Shop; Driver Edn.. Avoc. Ints.: Arts and Crafts; Reading; Athletics.

HAND, Frederic I., Assoc. Prof., W. Va. Inst. of Tech., Montgomery, W. Va.. b.: Dec. 27, 1908, Ypsilanti, Mich.. Married, two children. Edn.: B.S., Mich. State Normal Coll., Ypsilanti, 1935; M.A., Northwestern Univ., 1948; Other Grad. Study. Exp.: Instr., Jr. Military Acad., Chicago, 1935-37; Instr., Elgin (Ill.) Acad. and Jr. Coll., 1937-43; Instr., Aviation Cadet Training, 1943-46; Stud. Personnel, Ill. Inst. of Tech., 1946-48; Assoc. Prof., W. Va. Inst. of Tech., 1948---. Mem.: Amer. Fed. of Art; Natl. Art Edn. Assn.; Eastern Arts Assn.; Coll. Art Assn.; Phi Delta Kappa. Areas of Splty.: Arts and Crafts; Ind. Arts Design; Drawing. Travel: U.S.; Canada; Mexico. Avoc. Ints.: Music; Reading; Community Service.

HANKAMMER, Otto Alfred, Prof., Head of Ind. Edn. and Art Dept., Kan. State Tchrs. Coll., Pittsburg, Kan.. b.: Nov. 18, 1891, Van Wert, Ohio. Married, two children. Edn.: B.S., Kan. State Tchrs. Coll., 1927; M.A., Ohio State Univ., 1930; Ph.D., ibid, 1936. Exp.: Prin., Golden Ind. Inst., Golden, N.C., 1914-15; Comm. Artist, 1915-17; Draftsman, 1919-22; Kan. State Tchrs. Coll., 1922---. Publs.: The Art

of Block Cutting, 1930; Ed. Staff, Ind. Arts Sec., The Dictionary of Edn., 1945; Articles in "Techne", "Epsilon Pi Tau Review", "Edn. Leader", "See and Hear", "I.A.V.E."; Inst., State, and Natl. Bulletins. Mem.: N.E.A.; A.V.A.; A.I.A.A., Past V. Pres.; A.C.I.A.T.E.; A.A.U.P.; N.A.I.T.T.; K.S.T.A.; K.I.A.A., Past Pres.; K.V.A., Past Pres.; V.F.W., Past Post Comdr.; A.M.L.; P.D.K., Past Pres.; Epsilon Pi Tau, Trustee, Laureate Mem.; Kan. Acad. of Sci.; Kan. Art Assn.. Area of Splty.: Graduate Edn.. Travel: Europe; U.S.. Avoc. Ints.: Archery; Crafts.

HANSEN, H. M., Assoc. Prof., The Stout Inst., Menomonie, Wis.. b.: May 30, 1883, Trimbell, Wis.. Married, four children. Edn.: Diploma, The Stout Inst., Menomonie, Wis., 1918; B.S., ibid, 1928; M.A., Univ. of Minn., 1936; Other Grad. Study. Exp.: Apprentice and Journeyman Carpentry, Millwork, and Cabinetwork, 6 yrs.; Gen. Contracting, Architecture and Bldg. Supvn., 8 yrs.; Warton Amer. Trade Schl., England, 1 yr.; Ind. Arts Tchr. Training, The Stout Inst., Menomonie, Wis., 38 yrs.; Wis. Natl. Guard, 13 yrs.. Mem.: N.E.A.; A.V.A.; Epsilon Pi Tau; Phi Delta Kappa; Wis. State Tchrs. Assn.. Areas of Splty.: Woodwork. Travel: U.S.; England; France. Avoc. Ints.: Progress in Tech. and Profnl. Development; Travel.

HANSON, Durwin M., Instr., Ia. State Coll., Ames, Iowa. b.: Dec. 29, 1915, Decorah, Ia.. Married. Edn.: B.S., Ia. State Coll., Ames, Iowa, 1939; M.S., ibid, 1949. Exp.: Instr., Storm Lake H. Schl., Storm Lake, Ia., 1939-41; Instr., Quanot H. Schl., Detroit, Mich., 1941; Voc. Instr., A.A.F.T.T.S., Scott Field, Ill., 1941-42; U.S.N., 1942-46; Training Facilities Officer, V.A., Des Moines, Ia., 1946-49; Instr., Ind. Edn., Ia. State Coll., Ames, Ia., 1949—. Mem.: Ia. Ind. Edn. Assn.; Psi Chi; Phi Delta Kappa; Knights of St. Patrick; Gamma Sigma Delta. Areas of Splty.: Drawing; Woodwork; Printing. Travel: U. S.; Hawaii; Guam. Avoc. Ints.: Community Clubs; Plastics.

HARDEMAN, Lyman Bryce, Asst. Prof., The A. & M. Coll. of Texas, Coll. Station, Tex.. b.: Dec. 14, 1914, Woodland, W. Va.. Married, two children. Edn.: B.S., Kan. State Tchrs. Coll., Pittsburg, Kan., 1939; M.Ed., The A. & M. Coll. of Tex., Coll. Station, Tex., 1950. Exp.: H. Schl., Webb City, Okla., 1939-41; H. Schl., Flat River, Mo., 1941-42; U.S.N., 1942-45; Lead Belt Trade Schl., Bonne Terre, Mo., 1945-47; The A. & M. Coll. of Tex., Coll. Station, Tex., 1947—. Publs.: Article in "I.A.V.E.", Jan., 1949. Mem.: A.V.A.; A.I.A.A.; N.A.I.T.T.; Tex. Voc. Assn.. Area of Splty.: Gen. Metalwork. Avoc. Ints.: Home Workshop Hobbies.

HARDIN, Robert A., Prof. of Ind. Edn., Univ. of Okla., Norman, Okla.. b.: Dec. 10, 1899, North Platte, Neb.. Married, three children. Edn.: B.A., Neb. Wesleyan Univ., 1924; M.A., Univ. of Neb., 1931; Ph.D., ibid, 1935. Exp.: Assoc. Prof., Ind. Edn., Neb. Wesleyan Univ., 1924-36; Prof., Ind. Edn., Univ. of Okla., 1936---. Publs.: Numerous magazine articles. Mem.: A.I.A.A.; A.C.I.A.T.E.; Okla. Ind. Arts Assn.; Phi Delta Kappa. Areas of Splty.: Woodwork; Plastics; Ind. Arts Edn.. Travel: Mexico; Canada. Avoc. Ints.: Photo.; Gunsmithing.

HARDING, R. R., Head, Ind. Arts Dept., State Tchrs. Coll., Dickinson, N.D.. b.: Oct. 26, 1892, Tulare, S.D.. Married, three children. Edn.: B.S., Univ. of N.D., 1924; M.A., ibid, 1925. Exp.: Univ. of N.D., 1924-25, Part Time; State Tchrs. Coll., Dickinson, S.D., 1925-29, 1943---; Univ. of N.D., 1929-33. Mem.: A.I.A.A.; N.D.E.A.; N.E.A.; Phi Delta Kappa; N.D.H.E.A.. Areas of Splty.: Drawing; Woodwork. Travel: U.S. with own puppet show, Gaye Marrinnetts. Avoc. Ints.: Puppet Show Business; Farming.

HARGROVE, Bernard H., Instr., Bradley Univ., Peoria, Ill.. b.: Aug. 24, 1908, Paducah, Ky.. Married, one child. Edn.: M.S., Bradley Univ.. Exp.: 15 yrs. in Industry; 5 yrs., Teaching. Mem.: A.A.U.P.; Ill. Ind. Arts Assn.; Ill. Voc. Assn.. Area of Splty.: Welding.

HARKINS, Clarence, Instr., Langston Univ., Langston, Okla.. b.: Feb. 5, 1922, Frederick, Okla.. Married, one child. Edn.: B.S., Langston Univ., Langston, Okla., 1946. Mem.: Okla. State Tchrs. Assn.; Amer. Tchrs. Assn.. Areas of Splty.: Tailoring; Furniture Repair. Avoc. Ints.: Ind. Arts; Voc. Edn..

HARLAN, Owen, Asst. Prof. of Ind. Arts, State Univ. of N. Y., Tchrs. Coll., Buffalo, N.Y.. b.: Apr. 14, 1919, Effingham Co., Ill.. Married, two children. Edn.: B.Ed., Eastern Ill. State Tchrs. Coll., 1941; M.A., Univ. of Minn., 1945; Other Grad. Study. Exp.: Ind. Arts Tchr., Pub. Schls., 1941-42; Instr., USNATTC, Norman, Okla., 1942-43; Appr. Schl., Navy Ship Yd., Mare Is., Calif., 1943-44; Instr., Eastern Ill. State Coll., 1944-45; Asst. Prof. of Ind. Arts, State Univ. of N. Y., Tchrs. Coll., 1946---. Publs.: Contbd. to "School Shop". Mem.: A.V.A.; A.A.U.P.; N.E.A.; Phi Delta Kappa; Epsilon Pi Tau; N. Y. S.V.P.A.A.; N. Y. State Edn. Assn.; N. Y. State Assn. of Tchrs. Coll. Faculties. Area of Splty.: Comp. Gen. Shop. Travel: United States. Avoc. Ints.: Singing; Gardening; Tennis.

HARPER, William V., Prof. of Ind. Edn., Head of Dept., Tenn. A. & I. State Coll., Nashville, Tenn.. b.: June 4, 1909, Chester, S.C.. Married, two children. Edn.: B.S., State A. & M. Coll., Orangeburg, S.C.,

1933; M.S., Wayne Univ., 1947. Exp.: Tchr., Pub. Schls., 12 yrs.; Ind. Arts Tchr. Edn., 6 yrs.. Mem.: A.V.A.; Nat. Negro Bus. League, Commissioner of Edn.; Tenn. Voc. Assn., Sectry.-Treas.; Tchrs. Coll. Assn. for Ext. and Field Services, mem., bd. of Dirs.; Phi Delta Kappa. Area of Splty.: Ind. Edn.. Travel: U.S.. Avoc. Ints.: Business.

HARRIS, Douglas W., Asst. Prof., S.W. Tex. State Tchrs. Coll., San Marcos, Tex.. b.: Aug. 20, 1909, Tamah, Wis.. Married, three children. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1930; M.A., Miami Univ., Oxford, Ohio, 1931. Exp.: Instr., Asst. Prof., Miami Univ., Oxford, Ohio, 1929-40; Layout Work and Photo., The Stevenson Co., Cincinnati, Ohio, 1940-42, Charge of Layout and Photo. Operations, 1945-48; Lab. Engr., The Baldwin Co., 1942-44; Asst. Prof., Ind. Arts, S.W. Tex. State Tchrs. Coll., San Marcos, Tex., 1948—. Publs.: Mag. Articles. Mem.: A.I.A.A.; Tex. State Tchrs. Assn.; Tex. Coll. Classroom Tchrs. Assn.; Epsilon Pi Tau. Areas of Splty.: Graphic Arts; Metalwork. Avoc. Ints.: Bldg. Construction; Photography.

HARRISON, E. C., Dir., Div. of Ind. Edn., Southern Univ. and Agri. and Mech. Coll., Baton Rouge, La.. b.: Mar. 31, 1917, Tyler Town, Miss.. Married, two children. Edn.: B.S., Southern Univ., 1938; M.A., Fisk Univ., 1939; Ph.D., Ohio State Univ., 1948. Exp.: Instr., Ind. Arts, Fort Valley State Coll., Fort Valley, Ga., 1939-46; Prof. and Dir., Dept. of Ind. Edn., Southern Univ., 1946—. Publs.: Contributed to "The Journal of Negro Edn."; "Journal of Higher Education"; "L.E.A. Jour."; "I.A.V.E."; "School Shop"; "Occupations". Mem.: N.E.A.; A.V.A.; L.E.A.; A.A.U.P. Area of Splty.: Guidance; Teacher Edn.; Ceramics; Metals; Woods; Drafting. Avoc. Ints.: Gardening.

HARRISON, Nicholas S., Sr., Instr., Southern Univ. and A. & M. Coll., Baton Rouge, La.. b.: Jan. 21, 1900, Colfax, La.. Married, two children. Edn.: B.A., Southern Univ., 1925; M.Ed., Colo. A. & M. Coll., Fort Collins, Colo.. Exp.: Tchr. and Prin., Pub. Schls., 1925-37; N.Y.A. Supv., 1937-38; Instr., Building Const., Southern Univ. and A. & M. Coll., 1945—. Mem.: N.A.C.P.; La. Edn. Assn.; Southern Regional Council; Phi Beta Sigma. Areas of Splty.: Trade and Ind. Edn.; Math.; Science. Avoc. Ints.: Civic Work; Fishing.

HARRISON, Oval S., Head of Dept., Prof. of Ind. Arts, Univ. of Ga., Athens, Ga.. b.: Dec. 23, 1903, Christopher, Ill.. Married, two children. Edn.: B.S., Bradley Univ., 1930; M.A., Univ. of Mo., 1935; Ed.D., Univ. of Mo., 1940. Exp.: Tchr., H. Schl., Sesser, Ill., 1926-29; Fla. State Univ., Tallahassee, Fla., 1931-38, 1941-42; Univ. of Ga., Athens, Ga., 1942—. Publications: Articles in various Magazines. Mem.:

A.C.I.A.T.E.; A.A.U.P.; Kappa Delta Pi; Phi Delta Kappa; Phi Kappa Phi. Area of Splty.: Gen. Ind. Arts. Travel: U. S.; Canada. Avoc. Ints.: Golf; Bridge.

HARRISON, Paul E., Assoc. Prof. of Ind. Arts, Northern Ill. State Tchrs. Coll., DeKalb, Ill.. b.: Aug. 28, 1896, Creston, Ill.. Married, two children. Edn.: B.E., Northern Ill. State Tchrs. Coll., DeKalb, Ill., 1926; M.A., Colo. Coll. of Edn., Greeley, Colo., 1930; Working on Doctorate. Exp.: Operations Analyst, War Dept., 1945; Northern Ill. State Tchrs. Coll., DeKalb, 1920---. Publs.: Practical Arts Series Guide Books. Mem.: A.C.I.A.T.E.; A.V.A.; A.I.A.A.; N.E.A.; Ill. Ind. Edn. Assn.; Ill. Ind. Arts Assn.; Ill. Edn. Assn.; Amer. Legion; Kappa Delta Pi; Pi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Gen. Shop; Woodwork; Methods in Ind. Arts; Guidance. Travel: Europe; U. S.. Avoc. Ints.: Building; Fishing; Crafts.

HARROD, Walter F., Asst. Prof., State Tchrs. Coll., Fitchburg, Mass.. b.: Mar. 28, 1914, Lexington, Mass.. Edn.: B.S.E., State Tchrs. Coll., Fitchburg, Mass., 1940; M.Ed., ibid, 1947. Exp.: Tchr., Ind. Arts, H. Schl., 1940-42; Instr., Metalwork, U.S.N., 1942-45; State Tchrs. Coll., Fitchburg, Mass., 1947---. Mem.: A.I.A.A.; N.E.I.A.T.A.; Mass. Ind. Edn. Soc.; Mass. State Tchrs. Coll. Assn.; Epsilon Pi Tau, Trustee, 1950. Area of Splty.: Woodwork. Travel: U. S.; Hawaii. Avoc. Ints.: Woodwork.

HART, Bernard E., Assoc. Prof., Ark. Agri. and Mech. Coll., Coll. Heights, Ark.. b.: Feb. 24, 1897, Collins, Ark.. Married, one child. Edn.: B.S.E., Ark. A. & M. Coll., 1936; Some Grad. Work. Exp.: Instr., Ark. A. & M. Coll., 1915-37, 1943---; Rural Supv., U.S. Dept. of Agri., 1937-43. Mem.: N.E.A.; Natl. Assn. for the Adv. of Science; Ark. Edn. Assn.; Ark. Voc. Assn.. Areas of Splty.: Mech. Drawing; Metalwork; Personnel. Travel: U.S.. Avoc. Ints.: Architecture.

HART, Karl E., Head, Dept. of Applied Engineering, Ricks Coll., Rexburg, Idaho. b.: May 20, 1920, Plain City, Utah. Married, three children. Edn.: B.S., Brigham Young Univ., Provo, Utah, 1946; M.Ed., A. & M. Coll. of Tex., Coll. Station, 1951. Exp.: Draftsman, 1941; Soil Conservation Service, Utah and N.M., 1942; U.S. Army, Corps of Engrs., 1943-45; Ricks Coll., Rexburg, Idaho, 1946---. Mem.: A.V.A.. Areas of Splty.: Ind. Arts; Engrn. Drawing; Bldg. Const.; Agri. Edn.. Travel: Pacific Area; U.S.. Avoc. Ints.: Gardening; Construction.

HARTER, Taylor A., Instr., State Univ. of N.Y., Tchrs. Coll., Oswego, N.Y.. b.: Nov. 9, 1910, Mohawk, N.Y.. Married, one child. Edn.: B.S., State Tchrs. Coll., Oswego, N.Y., 1946; M.Ed., Pa. State Coll.,

1950. Exp.: Printing Pressman, 1933; Tchr., Ind. Arts, Poland Central Schl., 1936-43; U.S. Navy, 1943-46; Instr., State Tchrs. Coll., Oswego, N.Y., 1947---. Publs.: New York State Syllabus on Gen. Woodworking, (Committee). Mem.: Epsilon Pi Tau; Iota Lambda Sigma; Phi Delta Kappa; A.V.A.; N.Y.S.V.P.A.A.. Areas of Splty.: Wood; Gen. Shop. Avoc. Ints.: Sports; Duck hunting; Fishing; Home Workshop.

HARTMAN, Harry V., Assoc. Prof., Ind. Arts Edn., Kan. State Tchrs. Coll., Pittsburg, Kan.. b.: Mar. 17, 1889, McCune, Kan.. Married, one child. Edn.: B.S., Kan. State Tchrs. Coll., 1923; M.S., Ia. State Coll., 1932. Exp.: Ind. Arts in H. Schls. of Kan., 1914-20; Instr., Auto. Mech., Kansas State Tchrs. Coll., 1920---; Taught first state supported Voc. Course in Kan., Auto. Mech., Altamour Kan. H. Schl.. Publs.: Mag. Articles on Auto Mech. and Driver Edn.. Mem.: K.I.A.A., Past Pres.; K.V.A., Past Pres.; A.V.A.; N.E.A.; A.A.U.P.; Epsilon Pi Tau. Areas of Splty.: Auto. Mech.; Driver Edn.. Travel: U.S.. Avoc. Ints.: Gardening; Traffic Safety, Pres., Pittsburg Safety Council, 1950-51; Home Workshop.

HARTNETT, William L., Shop Foreman, Training Schl. for Tchrs. of Mech. Arts, Boston, Mass.. b.: Sept. 29, 1908, S. Boston, Mass.. Married, three children. Edn.: B.Ed., Boston Tchrs. Coll., 1936; M.Ed., ibid, 1940; Other Grad. Study. Exp.: Brookline, Mass., 1929-30; City of Boston, Mass., 1931---.

HASTINGS, James R., Instr., State Univ. of N.Y., Tchrs. Coll., Oswego, N.Y.. b.: Oct. 21, 1918, Taber, Alberta, Canada. Married, one child. Edn.: B.S., State Normal Schl., Oswego, N.Y., 1941; M.A., N.Y. Univ., 1948. Exp.: Mach., Bendix Avia. Corp., 1941; Ind. Arts Instr., Cobleskill, N.Y., 1941-42; Instr., N.Y.S. Natl. Defense Schl., 1942; Foreman, Mach. Shop, Beechnut Corp., 1942; U.S.A.A.F., 1942-46; Instr., State Tchrs. Coll., Oswego, N.Y., 1946---. Mem.: A.C.I.A.T.E.; A.I.A.A.; A.V.A.; N.E.A.; N.Y.S.V.P.A.A.; A.A.U.P.; Epsilon Pi Tau. Areas of Splty.: Comp. Gen. Shop, orgn. and instr.; Methods; Cadet Teaching Supv.. Travel: United States. Avoc. Ints.: Sports; Woodwork; Photography.

HAUER, Nelson A., Head and Assoc. Prof., Dept. of Ind. Edn., La. State Univ., Baton Rouge, La.. b.: Dec. 10, 1903, Rochester, N.Y.. Married. Edn.: Voc. Certif., State Tchrs. Coll., Oswego, N.Y., 1926; B.S., La. State Univ., Baton Rouge, La., 1938; M.S., ibid, 1939; Ph.D., Cornell Univ., 1949. Exp.: Sheet Metal Trade Exp., 10 yrs.; Instr., Sheet Metal Trade, Schenectady, N.Y., 1928-32; Asst. Instr., La. State Univ., 1936-39; Tchr. Trainer, State Dept., Ind. Edn., La., 1940-41;

Head, Dept. of Ind. Edn., La. State Univ., 1941-42, 1949---; Lt. Comdr., U.S.N., 1942-46. Publs.: Contbd. to "I.A.V.E.". Mem.: N.A.I.T.T.; A.I.A.A.; A.V.A.; A.C.I.A.T.E.; La. Voc. Assn.; Amer. Soc. of Training Dirs., Pres., Baton Rouge Chapt., 1950; Miss. Valley Ind. Arts Conf.; Phi Delta Kappa; Iota Lambda Sigma; Epsilon Pi Tau. Areas of Splty.: Admin. and Supv.; Curr. Const.; Research; Ind. Supv. Training. Avoc. Ints.: Art Metal; Photo.; Music.

HAULER, Arthur, Prof., Chair., Ind. Arts Edn. Dept., State Univ. of N.Y., Tchrs. Coll., Oswego, N.Y.. b.: March 21, 1899, Fitchburg, Mass.. Married, three children. Edn.: B.S., Univ. of N.H., 1921; M.S., Syracuse Univ., 1936. Exp.: Tchr., Ind. Arts, Bangor, Maine, 1921-23; Dir., Ind. Arts, City of Bangor, Me., 1923-25; Supv. of Student Tchrs., State Tchrs. Coll., Oswego, N.Y., 1925-48; Chair., Ind. Arts Dept., ibid, 1948---. Mem.: N.E.A.; A.V.A.; Kappa Phi Kappa; Phi Delta Kappa; N.Y.S.V.P.A.A.; N.Y.S. Tchrs. Coll. Faculties Assn.; Centr. N.Y. Ind. Arts Club. Areas of Splty.: Ind. Arts Teach.; Tchr. Edn.; Student Teaching. Travel: United States.

HAVENS, F. D. (l.i.), Instr., Dept. of Ind. Edn., Univ. of Vermont and State Agricultural Coll., Burlington, Vermont.

HAWS, Robert W., Asst. Prof. of Edn., The Ohio State Univ., Columbus, Ohio. b.: June 17, 1900, Ceredo, W. Va.. Married. Edn.: B.S., Ohio Univ., Athens, Ohio, 1924; M.A., The Ohio State Univ., Columbus, 1932; Ph.D., ibid, 1947. Exp.: Ind. Arts Tchr., Lemon Twp. H. Schl., Monroe, Ohio, 1922-23; Administrative Head, Jacksonville Special Dist. Schls., Jacksonville, Ohio, 1924-25; Bookkeeping Div., Union Bank and Trust Co., Huntington, W. Va., 1925-26; Ind. Arts Tchr., Xenia City Schls., Xenia, Ohio, 1926-30; Ind. Arts Tchr., Hamilton Pub. Schls., Hamilton, Ohio, 1930-42; Ind. Arts Tchr., Dayton Pub. Schls., Dayton, Ohio, 1942-43; Test Engr., Aero-Products, Dayton, Ohio, 1943; Asst. Prof. of Edn., The Ohio State Univ., Columbus, 1943---. Publs.: Ph.D. Dissertation, The Role of Ind. Arts in the Elem. Schl. Curriculum; Several Survey Reports for the Bureau of Edn. Research. Mem.: N.E.A.; N.A.I.T.T.; Assn. for Stud. Teaching; Ohio Edn. Assn.; Phi Delta Kappa; Epsilon Pi Tau. Area of Splty.: Ind. Arts Tchr. Edn.. Avoc. Ints.: Fishing; Hunting; Gardening.

HAYNES, Beryl L., Asst. Prof., W. Va. Inst. of Tech., Montgomery, W. Va.. b.: Nov. 15, 1921, Winona, W. Va.. Married, two children. Edn.: B.S., W. Va. Inst. of Tech., 1949; M.Ed., Pa. State Coll., State Coll., 1950. Exp.: Ind. Arts Tchr., H. Schl., 1949-51; Instr. of Photo., W. Va. Inst. of Tech., 1951---. Mem.: Iota Lambda Sigma. Area of Splty.:

Photo.. Travel: Iceland; British Isles; Europe. Avoc. Ints.: Plastic Carving; Photography.

HAYNES, Luther J., Asst. Prof., Engrn. Shops Dept., Ala. Poly. Inst., Auburn, Ala.. b.: Mar. 6, 1910, Anniston, Ala.. Married, one child. Edn.: B.S., Ala. Poly. Inst., 1943; M.S., ibid, 1949; Grad. Work. Exp.: Pub. Schl. Tchr., 1936-42; War Production Training, Ala. Poly. Inst., 1942-43; U.S. Army, 1943-46; Instr., Engrn. Shops Dept., 1946—. Mem.: Ala. Edn. Assn., Sectry.-Treas., Ind. Arts Dept., 1952; Kappa Delta Pi; Alpha Phi Omega. Areas of Splty.: Hand & Mach. Metalwork; Materials & Methods in Ind. Arts Tchr. Training; Ind. Inspection Methods. Travel: England; Scotland; France; Belgium; Germany; U.S.. Avoc. Ints.: Boy Scouts; Crafts.

HEBERT, Achille C., Instr., Langston Univ., Langston, Okla.. b.: Aug. 2, 1910, Boley, Okla.. Married, three children. Edn.: B.S. in E.E., Kan. State Coll. of Agri. and Appld. Science, 1933. Exp.: Instr., Langston Univ., Langston, Okla., 1937—; U.S. Army, 1942-45. Mem.: Amer. Inst. of Elect. Engrs.. Area of Splty.: Elect.; Physics. Travel: New Guinea; Philippines; Japan.

HEIN, Wilbert R., Assoc. Prof. of Ind. Arts, N.M. Western Coll., Silver City, N.M.. b.: Mar. 29, 1909, Ada, Minn.. Married, one child. Edn.: B.S., Stout Inst., Menomonie, Wis., 1944; M.S., ibid, 1948. Exp.: 7 yrs. trade exp.; N.M. Western Coll., Silver City, N.M., 1948—; Life time voc. cert. in Wis.. Mem.: N.E.A.; Local Ind. Arts Club. Areas of Splty.: Mach. Shop; Welding; Tool and Die Inst.. Avoc. Ints.: Hunting; Fishing.

HEJKAL, Otto C., Asst. Prof., Colo. A. & M. Coll., Fort Collins, Colo.. b.: Mar. 13, 1913, Musselshell, Mont.. Married, one child. Edn.: B.S., State Tchrs. Coll., Kearney, Neb., 1936; M.Ed., Univ. of Mo., Columbia, Mo., 1941; Ed.D., ibid, 1950. Exp.: Tchr., Ind. Arts, H. Schl., Huntley, Neb., 1936; Tchr., Ind. Arts, H. Schl., Beaver City, Neb., 1937; Prin., Ind. Arts, H. Schl., Meeteetse, Wyo., 1938; Tchr., Ind. Arts, H. Schl., Pawnee, Ill., 1941; Instr., N.A.T.T.C., Norman, Okla., 1942; Instr., A.A.F.T.T.C., 1943; Aero. Research, Natl. Adv. Com. for Aero., Langley Field, Va., 1944; Instr., Ind. Arts, Tchl. H. Schl., Des Moines, Ia., 1945; Asst. Prof., Ind. Arts, Memphis State Coll., Memphis, Tenn., 1946; Supv., Ind. Arts Stud. Tchrs., State Tchrs. Coll., Fitchburg, Mass., 1950-51; Colo. A. & M. Coll., 1951—. Publs.: Doctoral Dissertation, "The Life and Work of Robert Selvidge", Univ. of Mo.; Contbd. to "I.A.V.E.". Mem.: A.V.A.; A.I.A.A.; N.A.I.T.T.; Phi Delta Kappa; Alpha Pi Zeta; Epsilon Pi Tau; Iota

Lambda Sigma. Area of Splty.: Woodwork; Drafting; Crafts; Graduate. Travel: U.S.. Avoc. Ints.: Crafts; Woodwork; Reading; Photo..

HELSBY, Robert D., Instr., State Univ. of N.Y., Tchrs. Coll., Oswego, N.Y.. b.: Aug. 2, 1918, Denton, Md.. Married, three children. Edn.: B.S., Oswego State Tchrs. Coll.; M.A., Ohio State Univ.. Exp.: Tchr., Ind. Arts, Cato-Meridian Cen. Schl., Oswego, N.Y., 1940-43; Officer, U.S.N., 1943-46. Publs.: Mag. Articles in: "Ind. Arts and Voc. Edn. Mag." and "Ind. Arts Teacher". Mem.: Epsilon Pi Tau; A.V.A.; N.Y.S.V.P.A.A.; N.Y.S. Assn. of Tchrs. Coll. Fac.; N.Y.S. Edn. Assn.. Area of Splty.: Metalwork. Travel: U.S.; Canada; Australia; New Caledonia; The New Hebrides; Solomon Islands; New Guinea; Pellileu; The Philippines. Avoc. Ints.: Photography.

HELTON, H. L., Instr., Northeastern State Coll., Tahlequah, Okla.. b.: May 18, 1924, Fairfax, Okla.. Married, one child. Edn.: B.S., Okla. A. & M. Coll., Stillwater, Okla., 1949; M.S., ibid, 1951. Exp.: Supv., Cabinet Shop, Okla. A. & M. Coll., 1948-49; Instr., Ind. Arts, Central State Coll., Spring, 1950; Instr., Ind. Arts, Northeastern State Coll., Tahlequah, Okla., 1950---. Mem.: Okla. Ind. Arts Assn.; Iota Lambda Sigma. Areas of Splty.: Woodwork; Wood Finishing. Travel: Southwest Pacific; U.S.. Avoc. Ints.: Hunting; Fishing.

HENDERSON, G. O. (l.i.), B.S., Instr., Ind. Arts Edn., Agricultural, Mechanical and Normal Coll., Pine Bluff, Ark..

HENDRIX, Grant, Instr., Southwestern State Coll., Weatherford, Okla.. b.: Sept. 19, 1911, Custer Co., Okla.. Married, one child. Edn.: B.S., Southwestern State Coll., Weatherford, Okla., 1935; M.S., Okla. A. & M. Coll., Stillwater, 1942. Exp.: Tchr., Pub. Schls., 1933-42; Southwestern State Coll., 1942---. Avoc. Ints.: Photo.; Fishing.

HENRY, George F., Prof. and Head of Dept., Colo. A. & M. Coll., Ft. Collins, Colo.. b.: June 5, 1894, Algoma, Wis.. Married. Edn.: B.S., Stout Inst., 1923; M.A., Columbia Univ., 1933. Exp.: Colo. A. & M. Coll., 1923---. Publs.: Farm Enterprise Mechanics, co-author. Mem.: N.E.A.; Colo. Edn. Assn., Pres. Ind. Arts Section, 1930, 1936, 1943; A.C.I.A.T.E.; A.I.A.A.; A.V.A.; N.A.I.T.T.; Iota Lambda Sigma, Natl. Pres., 1951; A.S.E.E., Pres., Local, 1942. Areas of Splty.: Ind. Arts Edn.; Voc. Edn.. Travel: Europe; Mexico; Canada; U.S.. Avoc. Ints.: Fishing; Photo.; Masonic Work; Golf.

HERNDON, D. N., Instr., Prairie View Agri. and Mech. Coll., Prairie View, Texas. b.: Jan. 23, 1910, Reagan, Texas. Married, three children. Edn.: B.S., Prairie View A. & M. Coll. Exp.: Southern Univ., 1934; Prairie View A. & M. Coll., 1939-42, 1946 --. Mem.: Colored

Tchrs. State Assn. of Texas. Areas of Splty.: Voc. Agri.; Laundering. Avoc. Ints.: Gardening; Poultry Raising.

HEROLD, R. D. (l.i.), M.S., Asst. Prof., Ind. Arts, S.D. State Coll., Brookings, South Dakota.

HEWITT, Coleman, Head, Dept. of Ind. Arts, Chicago Tchrs. Coll., Chicago, Ill.. b.: Jan. 20, 1903, Pa. Married, three children. Edn.: B.S., The Stout Inst., 1936; M.A., Northwestern Univ., 1937. Exp.: Cabinetmaker, 4 yrs.; Pub. Schl. Tchr., 10 yrs.; Ind. Arts Tchr. Edn., 14 yrs.. Publs.: Adventures With Plastic.

HIBBS, Haskell C., Instr., The Berry Schls., Mt. Berry, Ga.. b.: May 29, 1917, Hooker, Ga.. Married, two children. Edn.: B.S., The Berry Schls., Mt. Berry, Ga., 1941; Grad. Study. Exp.: The Berry Schls., Mt. Berry, Ga., 1945—. Areas of Splty.: Woodwork; Drawing. Travel: Mediterranean Area. Avoc. Ints.: Fishing.

HIGLEN, C. E., Asst. Prof. of Trade and Ind. Edn., Purdue Univ., Lafayette, Indiana. b.: Mar. 11, 1897, Wells County, Indiana. Married, one child. Edn.: B.E., Colo. State Coll. of Edn., Greeley, 1938; M.E., ibid, 1948. Exp.: Ind. Exp., 1917-18, 1919-24; U.S. Navy, 1918-19; Mach. Shop Tchr., Pub. Schls., Muskegon, Mich., 1924-39; State Supv., T. & I. Edn., Mich., 1939-40; Apprentice Coord., Muskegon Pub. Schls., Mich., 1940-42; U.S. Navy, 1942-45; Asst. to Exec. Sectry., A.V.A., Washington, D.C., 1945-46; Prin., Tech. H. Schl., Atlantic City, N.J., 1946-48; Asst. Prof. of Trade and Ind. Edn., Purdue Univ., Lafayette, Indiana, 1948—. Publs.: Several Mag. Articles. Mem.: A.V.A.; N.A.I.T.T.; N.A.S.S.P.; Indiana Voc. Assn.; Indiana Ind. Edn. Assn.; Mich. Ind. Edn. Soc.; Iota Lambda Sigma. Areas of Splty.: Voc. Mach. Shop; Coordination of Apprentice Training and Distributive Edn.; Supvn. and Admin. of Voc. Edn.; Admin. of Sec. Schls.. Travel: United States. Avoc. Ints.: Color Photography.

HILL, Cary L., Assoc. Prof., Ind. Arts Edn. and Engr. Shopwork, Okla. A. & M. Coll., Stillwater, Okla.. b.: April 5, 1897, Ottawa, Kan.. Married, two children. Edn.: B.S., Kan. State Tchrs. Coll., Pittsburg, Kan., 1921; M.S., Okla. A. & M. Coll., 1932. Exp.: Tchr., Woodwork, Joliet, Ill., 1922; Tchr., Woodwork and Draw., Canay, Kan., 1922-29; Tchr., Ind. Arts, Tulsa, Okla., 1929-41; Tchr., Ind. Arts, Okla. A. & M. Coll., Summers, 1939-40-41; Supv., Ark. State Trade Schl., 1941-43; Ind. Engr., 1943-46; Assoc. Prof., Ind. Arts Edn., Okla. A. & M. Coll., 1946—. Mem.: A.C.I.A.T.E.; A.I.A.A.; A.V.A.; Okla. I.A.A., Sectry., Treas.; N.A.I.T.T.; Okla. I.A.T.T.E.C., V.Pres.; Phi Kappa Phi; Epsilon Pi Tau; Iota Lambda Sigma; Kappa Delta Pi.

Areas of Splty.: Drawing; Design; Grad. Work in Ind. Arts Edn.. Avoc. Ints.: Gardening; Club and Assn. Work.

Hill, C. R., Asst. Prof., Univ. of Ill., Urbana, Ill.. b.: Aug. 7, 1919 Whitewater, Wis.. Married, one child. Edn.: B.S., Stout Inst., 1942: M.Ed., Univ. of Okla., 1946; Ed. D., Univ. of Mo., 1950. Exp.:Iowa State Coll., 1946-47; Univ. of Ill., Urbana, 1950---.

HILL, J. Levan, Assoc. Prof., Bowling Green State Univ., Bowling Green, Ohio. b.: May 29, 1907, Altoona, Pa.. Married. Edn.: B.S., State Tchrs. Coll., Calif., Pa., 1943; M.Ed., Pa. State Coll., 1946. Exp.: Machinist, Pa. R. R. Co.; Altoona Schl. Dist., Altoona, Pa.; Calif. State Tchrs. Coll., Calif., Pa.; Bowling Green State Univ., Bowling Green, Ohio. Mem.: A.V.A.; A.A.U.P.; Nat. Soc. for the Study of Edn.; Epsilon Pi Tau; Iota Lambda Sigma; Phi Delta Kappa Area of Splty.: Machine Shop. Avoc. Ints.: Art Metalwork.

HILL, Jesse L., Instr., Prairie View Agri. and Mech. Coll, Prairie View, Texas. b.: Dec. 25, 1910, Texas. Married, three children. Edn.: B.S., Prairie View A. & M. Coll., 1941. Exp.: Prairie View A.&M. Coll., 1945—. Mem.: Colored Tchrs. State Assn. of Texas. Area of Splty.: Tailoring. Avoc. Ints.: Building.

HILL, Willard B., Assoc. Prof. of Trade and Ind. Edn., Purdue Univ. Lafayette, Indiana. b.: Feb. 19, 1897, Sparksville, Indiana. Married, three children. Edn.: B.S., Indiana State Tchrs. Coll., Terre Haute, 1924. Exp.: Ind. Arts Tchr., 1917-27; Voc. Edn. Tchr., 1927-35; Supv., Part-Time and Evening Schl. Programs, Part-Time Teaching, 1935-41; Tchr., Training, Purdue Univ., Lafayette, Indiana, 1941—. Mem.: A.V.A.; N.A.I.T.T.; N.E.A.; Indiana Ind. Edn. Assn., Pres.; Iota Lambda Sigma; Indiana Voc. Assn.. Areas of Splty.: Part-time Programs of Voc. Edn.; Human Relations; Supervisory Training.

HINELY, Willie H., Associate Professor of Edn., Fla. State Univ., Tallahassee, Fla.. b.: Nov. 28, 1918, Springfield, Ga.. Married, one child. Edn.: B.S., Ga. Tchrs. Coll, Collegeboro, 1942; M.A., Columbia Univ., 1947. Exp.: Instr., Ind. Arts, Ga. Tchrs. Coll., Collegeboro, 1942-43; Armed Forces, 1943-46; Instr., Fine and Ind. Arts, Tchrs. Coll., Columbia Univ., 1947---. Mem.: A.C.I.A.T.E.; A.I.A.A.; Eastern Arts Assn.; Nat. Art Edn. Assn.; Dept. of Audio—Visual Instruction, N.E.S.; Phi Delta Kappa; Kappa Delta Pi. Areas of Splty.: Woodwork; Metalwork; Mech. Drawing; Methods; Gen. Shop; Occup. Therapy Crafts. Travel: U.S.. Avoc. Ints.: Photo.; Camping; Jewelry Making.

HINTON, D. R. (l.i.), B.S., Instr., Ind. Edn., Md. State Coll., Princess

Anne, Md..

HIPPAKA, Thomas A., Prof., Hd. of Ind. Edn., Ia. State Coll., Ames, Ia.. b.: Mar. 11, 1895, Ely, Minn.. Married, one child. Edn.: Diploma, The Stout Inst., Menomonie, Wis., 1916; B.S., Univ. of Wis., Madison, 1927; M.S., ibid, 1929; Ph.D., ibid, 1938. Exp.: Dir. of Ind. Edn., Fond du Lac, Wis., 1916-21; Dir. of Ind. Edn., Madison, Wis., 1921-39; Prof., Hd. of Ind. Edn., Ia. State Coll., Ames, Ia., 1939—. Summer Schl. Tchr., Univ. of Wis., Stout Inst., Oswego State Tchrs. Coll., Bradley Univ. Publs.: Contbd. to the following mags.: "Ia. Parent-Teacher"; "I.A.V.E."; "Ia. Ind. Edn. News Letter"; "The Phi Delta Kappan"; "Midland Schls."; "Voc. Instrs. Shop Handbook"; "The Daylion Co."; "Edn."; "The Amer. Schol. and Univ."; "Schl. Shop"; "Ia. Voc. Assn. News Bull."; Others. Mem.: Wis. Ind. Edn. Assn., First Life Mem.; Ia. Ind. Edn. Assn.; A.V.A.; N.E.A.; Phi Delta Kappa; A.C.I.A.T.E.; N.A.I.T.T., Mem., Bd. of Trustees; Acacia; Pres. of the Following: Wis. Ind. Edn. Assn.; South. Wis. Tchrs. Assn.; Ia. Tchr. Placement Assn.; Phi Chapt., Phi Delta Kappa. Areas of Splty.: Teaching Methods; Curr. Const.; Evaluation. Travel: Finland. Avoc. Ints.: People.

HISER, Paul T., Asst. Prof., State Univ. of N.Y., Tchrs. Coll., Oswego, N.Y.. b.: March 17, 1911, Greenfield, Ohio. Married, one child. Edn.: B.S., Ohio State Univ., 1935; M.A., Ohio State Univ., 1941. Exp.: Developed Ind. Arts programs, Ross County, Ohio, 1934-37; Supv. and Tchr., Jackson Twp. Schls., Grove City, Ohio, 1937-40; Head, Arts and Ind., Oberlin Public Schols., 1940-42; Army Officer 1942-46; Chief Personnel Training, V.A. Center, Dayton, Ohio, 1946-48; Supv. of Student Tchrs., Div. of Ind. Arts, State Univ. of N.Y., Tchrs. Coll., Oswego, N.Y.. Mem.: Epsilon Pi Tau, Laureate Member, Pres. of Alpha Chapt., 1949; Phi Delta Kappa; A.C.I.A.T.E.; A.V.A.; N.E.A.; N.Y.S.V.P.A.P.; S.I.A.A.; N.Y. State Rep.: N.Y. State Tchrs. Assn.; Assoc. N.Y. State Tchrs. College Faculties; Rotary International; Reserve Officers Assn. U.S.. Areas of Splty.: General Shop; Ind. Arts Edn. and Student Tchrs. Travel: United States; Panama; Puerto Rico; Costa Rico; Paraguay. Avoc. Ints.: Army Reserve Activities.

HOBSON, R. D., Instr., State Tchrs. Coll., Winona, Minn.. b.: Sept. 17, 1921, Schwyler, Neb.. Married, one child. Edn.: B.S., State Tchrs. Coll., Bemidji, Minn., 1943; M.A., Univ. of Minn., Minneapolis, Minn., 1949. Exp.: Radio Instr., U.S.A.A.F., 1944-45; Instr., Ind. Arts, State Tchrs. Coll., Winona, Minn., 1949—. Publs.: Contbd. to "I.A.V.E.", "Minn. Jour. of Edn.". Mem.: N.E.A.; Minn. Edn. Assn.;

Phi Delta Kappa. Areas of Splty.: Drafting; Electricity; Crafts. Avoc. Ints.: Photo.; Amateur Radio.

HOFACKER, Floyd R., Instr., Bowling Green State Univ., Bowling Green, Ohio. b.: Oct. 9, 1916, Pitsburg, Ohio. Married, two children. Edn.: B.S., Bowling Green State Univ., 1947; M.S., ibid, 1948. Exp.: Elem. Sch., 1936-45; Instr., U.S.N., 1945-47; Bowling Green State Univ., 1947---. Mem.: O.E.A.; N.W.O.E.A.; Ind. Arts Club, Bowling Green Univ.; A.A.U.P.; Mid-West. O. Ind. Arts Assn., V. Pres.; O.I.A.A.. Areas of Splty.: Mach. Shop; Photo.. Travel: U.S.. Avoc. Ints.: Photo.; Fire Arms; Hunting; Fishing; Flying.

HOGAN, Robert Dale, Instr., Kan. State Tchrs. Coll., Emporia, Kan.. b.: April 26, 1915, Hamilton, Kan.. Married, four children. Edn.: B.S., Kan. State Tchrs. Coll., Emporia; Kan., 1940; M.S., Colo. A. & M. Coll., Ft. Collins, Colo., 1951. Exp.: Instr., Jr. H. Schl. Gen. Shop, Dodge City, Kan., 1940-41; Chanute A.A.F. Tech. Schl., 1941-44; Mach., Puget Sound Navy Yard, Bremerton, Wash., 1944-45; Instr., Kan. State Tchrs. Coll., Emporia, Kan., 1947---. Mem.: Epsilon Pi Tau; Iota Lambda Sigma. Areas of Splty.: Woodwork; Drawing. Travel: U.S.. Avoc. Ints.: Hunting; Fishing; Gardening; Farming.

HOGUE, H. Glenn, Chrm., Fine and Ind. Arts Dept., Cent. Wash. Coll. of Edn., Ellensburg, Eash.. b.: Oct. 21, 1891, Ellensburg, Wash.. Married, three children. Edn.: A.B., Eash. State Coll, 1927; Grad. Study, Alfred Univ., Alfred, N.Y., 1959.

HOLBACK, A. A. (l.i.), M.A., Asst. Prof., Ind. Arts Edn., Agriccultural, Mechanical and Normal Coll., Pine Bluff, Ark..

HOLLEY, T. L., Prof. of Ind. Edn., Prairie View A. and M., Coll., Prairie View, Tex.. b.: Dec. 3, 1889, San Antonio, Tex.. Married, one child. Edn.: B.S., Prairie View A. and M. Coll., 1930. Exp.: Ind. Arts Tchr., Pub. Schls., 1915-22, 1924-34; Instr., Prairie View A. & M. Coll., 1910-12, 1922-24, 1945---. Prin. of Evening Schl., 1927-30; Asst. State Supvr. of War Production Training, 1941-45; Asst. State Supvr. of Trade and Ind. Edn., 1945---. Mem.: A.V.A. Tex. Voc. Assn.; colored State Tchrs. Assn., Exec. Com. & Chair. of Voc. Section. Areas of Splty.: Tchr. Training; Ind. Edn.. Travel: U.S.. Avoc. Ints.: Home Workshop.

HOLLIS, Davod Pierre, Instr., Lab. Schl., N. Tex. State Coll., Denton, Tex.. b.: Sept. 22,1915, Belcher, La.. Edn.: B.S., N. Tex. State Coll., Denton, 1939; M.S., ibid, 1949. Exp.: Instr., Lytle H. Schl., Lytle, Tex., 1938; Instr., San Antonio Pub. Schls., San Antonio, Tex., 1940-41, 1945-46; Instr., Hivy H. Schl., Kenville, Tex., 1946-48;

Instr., N. Tex. State Coll., Denton, 1948---. Mem.: N.E.A.; Tex. Voc. Assn.; A.V.A.; Tex. State Tchrs. Assn.; Coll. Classroom Tchrs. Assn.; Classroom Tchrs. Assn.. Area of Splty.: Ind. Arts. Travel: England; France; Belgium; Luxemburg; Holland; Germany; Austria; U.S.. Avoc. Ints.: Crafts.

HOLLOWAY, M. B. (l.i.), Instr., Dept. of Ind. Edn., The A. and T. Coll. of N. C., Greensboro, N. C..

HOLMES, A. H. (l.i.), B.S., Instr., Div. of Ind. Edn., State A. and M. Coll., Orangeburg, S. C..

HOLMES, F. A., Head, Dept. of Voc. and Ind. Arts, Univ. of Wyo., Coll. of Edn., Laramie, Wyo.. b.: June 6, 1903, Wis.. Married. Edn.: Ill. State Norm. Univ., 1928; M.Ed., Colo. A. & M. Coll., 1944. Exp.: Gisholt Mach. Co., Madison, Wis., 1918-22; Tchr. Edn., Coll., 1928---. Mem.: Iota Lambda Sigma; Gamma Theta Upsilon. Area of Splty.:

HOLTROP, William F., Prof., Univ. of Calif., Santa Barbara Coll., Santa Barbara, Calif.. b.: June 14, 1908, Hengelo, Holland. Married, three children. Edn.: B.S., Tchrs. Coll., Kearney, Neb., 1936; M.Ed., Univ. of Mo., 1938; Ed.D., Univ. of Calif., Los Angeles, 1948. Exp.: Bldg. Trades, 5 yrs.; Tchr., H. Schl., 10 yrs.; Coll. Teaching, 3 yrs.. Publs.: Contributed to "I.A.V.E."; Voc. Edn. in the Netherlands. Mem.: Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Woodwork; Education of Western Europe. Travel: N. Amer.; Europe. Avoc. Ints.: Ocean Fishing; Bee Culture.

HONN, Max L., Instr. in Printing, Ill. State Normal Univ., Normal, Ill.. b.: Nov. 30, 1907, Arcola, Ill.. Married, four children. Edn.: A.B., Ill. Wesleyan Univ., 1930; M.S., Pa. State Coll., 1950. Exp.: Instr. in Printing and Supervising Tchr., Ill. Soldiers and Sailors Children's Schl., Normal, Ill., 1932-43; Instr. in Printing and Asst. Dir. of Univ. Press, Ill. State Normal Univ., 1943---; Journeyman Printer, 10 yrs.. Mem.: N.E.A.; A.A.U.P.; Ill. Edn. Assn.; Ill. Voc. Assn.; Iota Lambda Sigma; Phi Delta Kappa.

HOOPER, J. L. (l.i.), B.S., Instr., Dept. of Shop Practice, Kan. State Coll., Manhattan, Kansas.

HOOVER, Aaron J., Instr., State Tchrs. Coll., California, Pa.. b.: Nov. 14, 1901, Cumberland Co., Pa.. Married, three children. Edn.: Certif., State Norm. Schl., Shippenburg, Pa., 1923; B.S., State Tchrs. Coll., Calif., Pa., 1934; M.Ed., Univ. of Pittsburg, 1939. Exp.: Bridgeport, Pa., 1923-25; Devereaux Schls., Berwyn, Pa., 1925-32; Ind. Arts, State Tchrs. Coll., Calif., Pa., 1936---. Mem.: N.E.A.; Pa. State Edn. Assn.. Areas of Splty.: Metalwork; Drafting.

HORNBAKE, R. Lee, Prof. of Ind. Edn., Univ. of Md., Coll. Park, Md.. b.: Dec. 18, 1912, Coal Center, Pa.. Married, one child. Edn.: B.S., State Tchrs. Coll., Calif., Pa., 1934; M.A., Ohio State Univ., Columbus, 1936; Ph.D., ibid, 1942; Fellowship, Harvard Univ., 1949-50. Exp.: Tchr., Ind. Arts, H. Schl., 1934-36; Instr., State Tchrs. Coll., Calif., Pa., 1937-39; Supv. of Elem. Schl. Ind. Arts, State Tchrs. Coll., Oswego, N.Y., 1940-43; In Charge of Plant Mfg. Training, Curtiss-Wright Corp., Airplane Div., Columbus, Ohio, 1943-45; Univ. of Md., 1945—. Publs.: Contbd. to: Tenth Yearbook of the John Dewey Soc.; N.A.I.T.T., Studies in Ind. Edn.; Review of Educational Research; "N.E.A. Journal"; "I.A.V.E."; "A.V.A. Journal" Mem.: A.C.I.A.T.E.; A.I.A.A.; A.V.A.; Horace Mann Soc.; John Dewey Soc.; Epsilon Pi Tau; Iota Lambda Sigma; Phi Delta Kappa; Phi Sigma Pi. Area of Splty.: Ind. Arts Tchr. Edn.. Travel: U.S.. Avoc. Interests: Study of Mfg. Industries; Variety of Const. Activities.

HORST, Claude W., Supvr. of Ind. Arts Lab., Univ. of Wash., Seattle, Wash.. b.: April 18, 1893, St. Helens, Ore.. Married, two children. Edn.: B.A., Univ. of Wash., 1923; M.A., ibid, 1933. Exp.: Supt., Coastline Shipbldg. Co., 1928-29; Milwaukee Voc. Schl., 1929-41; Supt., Fox River Boat Wks., 1941-45; Kargard Boat and Engine Co., 1945-46; Lockhaven Marine Co., 1946-50; Univ. of Wash., 1950—. Publs.: Contbd. to the following magzaines: "Rudder", "Popular Home Craft", "Yachting", "Model Maker", "Cargo", Author of following books pub. by Bruce Pub. Co.: Model Sail and Power Boats, Model Boats for Juniors, Marblehead Sailing Model. Mem.: A.S.C.D.; Assn. of Naval Architects; Wash. State Ind. Arts Assn.. Areas of Splty.: Woodwork; Boat Bldg.; Metal; Gas and Diesel Motors; Mech. Drawing; Machine Drawing; Boat Design. Travel: U.S.; Europe; Alaska; China; Japan. Avoc. Ints.: Boating; Model Yacht Clubs: Travel.

HOSTETLER, Ivan, Head and Prof., Ind. Arts Edn., N.C., State Coll. of Agri. and Engr. of the Univ. of N.C., Raleigh, N.C.. b.: Aug. 13, 1901, Holmes Co., Ohio. Married, two children. Edn.: B.A., Buffton Coll., 1926; M.A., Ohio State Univ., 1932; Ed.D., Univ. of Mo., 1945. Exp.: Elem. Schl., Ohio, 1921-22; Jr. H. Schl., Struthers, Ohio, 1926-27; Prin., H. Schl., Holmes Co., Ohio, 1927-31; Jr. and Sr. H. Schl., Xenia, Ohio, 1933-36; G.a Tchrs. Coll., Collegeboro, Ga., 1936-41; 1945-48; Univ. of Mo., Columbia, Mo., 1941-42, 1945; Training Schl., Pratt and Whitney Aircraft Co., 1942-45; N.C. State Coll., Raleigh, N.C., 1948—. Publs.: "An Analysis of Opinions on Ind. Edn. with their implications for a Program in the Pub. Schls.",

Unpublished Dr. Dissertation, Univ. of Mo., 1945; Author and Co-author of Articles in the Following: "I.A.V.E.", "Amer. Voc. Jour." "Amer. Schl. Bd. Jour.", "The H. Schl. Jour.", "Coll. and Univ. Business", "Ga. Edn. Jour.". Mem.: A.C.I.A.T.E.; N.E.A.; A.V.A.; A.I.A.A.; N.A.I.T.T.; N.C. Voc. Assn.; N.C.I.A.A.; N.C. Edn. Assn.; Phi Delta Kappa; Epsilon Pi Tau; Kappa Phi Kappa, Ind. Arts Awards Adv. Comm.. Areas of Splty.: Ceramics; Woodwork; Elem. Ind. Arts, Metals. Travel: U.S.. Avoc. Ints.: Gardening; Ceramics, Sports.

HOSTETTER, A. E. (I.i.), Ph.D, Assoc. Prof., Dept. of Shop Practice, Kan. State Coll., Manhattan, Kan..

HOUSE, Orow J., Head, Dept. of Ind. Arts and Trades, Southern State Tchrs. Coll., Springfield, S.D.. b.: Aug. 14, 1888, Afton, Ia.. Married, 9 children. Edn.: B.S., Southern State Tchrs. Coll., Springfield, S.D., 1928; M.A., Univ. of S.D., 1938. Exp.: Tchr., Pub. Schls., 1909-18; Southern State Tchrs. Coll., Springfield, S.D., 1918--. Mem.: N.E.A.; A.V.A.; A.I.A.A.; A.C.I.A.T.E.; S.D. Edn. Assn., Past Pres. of Ind. Arts Group; Rotary Club, Past Pres., Present Prog. Dir.. Area of Splty.: Tchr. Training in Ind. Arts. Travel: U.S.. Avoc. Ints.: Athletics; Church Activities; Community Welfare.

HOUSTON, H. S., Asst. Prof., Prairie View Agri. and Mech. Coll., Prairie View, Texas. b.: Sept. 18, 1912. Married, one child. Edn.: B.S., Prairie View A. & M. Coll.. Exp.: Tchr., H. Schl., 1933; Prairie View A. & M. Coll., 1940--. Mem.: N.A.I.T.T.; Colored Tchrs. State Assn. of Texas; Engrn. Edn. Assn. Area of Splty.: Gen. Engrn. Avoc. Ints.: Art; Architecture.

HOWARD, H. M., (I.i.), B.S., Asst. Prof., Dept. of Ind. Edn., Tenn. A. and I. State Coll., Nashville, Tenn..

HOWE, W. A. (I.i.), M.S., Instr., Dept. of Ind. Edn., Southern Ill. Univ., Carbondale, Ill..

HOY, Fred R., Prof., Panhandle A. & M. Coll., Goodwell, Okla.. b.: Oct. 10, 1910, Covington, Okla.. Married, two children. Edn.: B.S., Northwestern State Coll., Alva, Okla., 1935; B.A., ibid, 1938; M.S., Okla. A. & M. Coll., Stillwater, Okla., 1946. Exp.: Instr., Ind. Arts, H. Schl., Okla., 1937-41; Instr., Metal Shop, Murray State Schl. of Agri., Tishomingo, Okla., 1941-42; Prof., Metal Shop, Panhandle A. & M. Coll., Goodwell, Okla., 1942--. Mem.: A.I.A.A.; Okla. Ind. Arts Assn.; Okla. Edn. Assn.; Iota Lambda Sigma; Northwestern State Coll. "N" Club; Past Mem., The Advisory Com. for Ind. Arts in Okla., 1949-51. Area of Splty.: Welding.

HUCKLEBERRY, B. C., Head of Ind. Arts Dept., Connors State Agri.

Coll., Warner, Okla.. b.: Mar., 1888, Eldon, Ia.. Married. Edn.: B.S., Okla. A. & M. Coll., Stillwater, 1927; M.S., ibid, 1933. Exp.: Tchr., Pub. Schls., 23 yrs.; Tchr., Coll., 14 yrs..

HUDSON, Charles A., Asst. Prof., State Coll. of Wash., Pullman, Wash. b.: Mar. 22, 1915, Highwood, Ill.. Married, one child. Edn.: B.S., Bradley Poly. Inst., 1941; M.S., Univ. of Ill., 1946. Exp.: Instr., Electro-Mechanics, Sr. H. Schl., Freeport, Ill., 1941-42; Instr., Supv., Radio Training Service Schls., U.S.N., 1942-45; Instr., Electricity, Bradley Univ., 1946-50; Asst. Prof., Ind. Arts, State Coll. of Wash., 1950--. Mem.: A.C.I.A.T.E.; A.A.U.P.; Amer. Radio Relay League; Ill. Voc. Assn.; Wash. Ind. Arts Assn.; Phi Delta Kappa; Phi Sigma Pi, Nat. Sectry., 1948-50; Kappa Delta Pi. Areas of Splty.: Communications; Electricity. Travel: Canada; Mexico. Avoc. Ints.; Amateur Radio.

HUDSON, S. B. (l.i.), B.S., Asst. Instr., Ind. Edn. Dept., Tuskegee Inst., Tuskegee Inst., Ala..

HUFF, Fred S., Assoc. Prof., Western Mich. Coll. of Edn., Kalamazoo, Mich.. b.: Mar. 22, 1888, Kendalls, Mich.. Married, one child. Edn.: B.A., Western Mich. Coll. of Edn., Kalamazoo, 1920; M.S., Univ. of Mich., 1929. Exp.: Tchr., H. Schl., Kalamazoo, Mich., 1908-20; Western Mich. Coll. of Edn., Kalamazoo, 1920--. Mem.: N.E.A.; Mich. Ind. Edn. Soc.; Kalamazoo Rotary Club, Sectry, 10 yrs.. Areas of Splty.: Drawing. Travel: U.S.. Avoc. Ints.: Travel; Boats; Fishing; Golf; Sports.

HUKILL, Viron N., Asst. Prof., Ark. State Tchrs. Coll., Conway, Ark.. b.: Feb. 11, 1920, Duke, Okla.. Married, one child. Edn.: B.S., Okla. A. & M. Coll., Stillwater, 1947; M.S., ibid, 1948. Exp.: Stud. Instr., Okla. A. & M. Coll., Stillwater, 1946-48. Instr., Ark. State Tchrs. Coll., Conway, 1948---. Mem.: A.I.S.A.; A.C.I.A.T.E.; Ark. Ind. Arts Assn., Pres.; Ark. Edn. Assn.; Ark. Voc. Assn.; Phi Delta Kappa; Iota Lambda Sigma. Area of Splty.: Woodwork. Travel: U.S.. Avoc. Ints.: Leathercraft; Photo..

HUMBLE, M. K. (l.i.), Ph.D., Assoc. Prof., Div. of Ind. Edn., Univ. of Ill., Urbana, Ill..

HUNT, DeWitt, Head, Sch. of Ind. Arts Edn. and Engr. Shopwork, Okla. A. & M. Coll., Stillwater, Okla.. b.: 1889, Bruceville, Texas. Married. Edn.: B.S. and B.M.T., Valparaiso Univ., 1908; B.S., Okla. A. & M. Coll., 1925; M.A., Ohio State Univ., 1931; Ph.D., ibid, 1939. Exp.: Tchr., Man. Training, H.Sch., Taylor, Texas, 1908-11; Shopwork

in Fort Worth, Texas, Pub. Schls., 1911-15; Shopwork in Okla. A. & M. Engr. Div., 1915---. Publs.: Hand Woodworking, 1926, Revised, 1949; Machine Woodworking, 1927; Mechanical Drawing, 1928; The Accident Situation in Okla., 1945; Contbd. to the following mag.: "Amer. Voc. Journal", "Safety Edn.", "I.A.V.E.", "The Ind. Arts Tchr.", Editor, 1951---, "Okla. Health Bull.", "Tulsa Farm World", "The Tulsa World"; Articles on home and pub. Safety for Okla. P.T.A.. Mem.: A.I.A.A., Pres. 1950, 1951; N.E.A.; A.C.I.A.T.E.; A.V.A.: Amer. Soc. for Engr. Edn.; Okla. Edn. Assn.; M.V.I.A.C.; Eval. Com., Sch. Shop Safety, Nat. Safety Council; State Advisory Com.,for Ind. Arts in Okla. Schls., Chair.; Okla. A. & M. Coll. Safety Com., Chair.; Stillwater Safety Council, Chair.; Pres. Truman's Ind. Safety Conf.; Phi Delta Kappa; Iota Lambda Sigma; Epsilon Pi Tau; Kappa Delta Pi. Areas of Splty.: Woodwork; Gen. Shop; Grad. Work; Shop Safety. Travel: U.S.. Avoc. Ints.: Tennis; Travel: Community Safety Work.

HUSS, William E., Asst. Prof., State Univ. of N.Y., Tchrs Coll., Oswego, N.Y.. b.: Dec. 9, 1913, Utica, N.Y.. Married, three children. Edn.: Diploma, Utica Free Academy, 1930; Diploma, State Tchrs. Coll., Oswego, N.Y., 1935; B.S., Ohio State Univ., 1938; M.A., ibid, 1946; Ed.D., Penn. State Coll., 1950. Exp.: Instr., Ind. Arts, York Cent. Schl., Retsof, N.Y., 1935-37; Cobleskill H. Schl., Cobleskill, N.Y., 1937-39; Instr., Metal, State Tchrs. Coll., Oswego, N.Y., 1939-44; Instr., Mach. Shop, U.S. Mer. Mar. Acad., Kings Point, N.Y., 1944-45; Asst. Prof., Supv., Student Tchrs., 1946--. Publs.: Contbd. to: "I.A.V.E."; "Schl. Shop"; "Viewpoint"; Gathered and Photo. Illustrations for Dr. Wilber's book, Ind. Arts In Gen. Edn.. Mem.: Epsilon Pi Tau, Co-Spon., Phi Chapt.; Phi Delta Kappa; Iota Lambda Sigma; Sheldon Forum; N.Y.S. Tchrs. Assn.: Assn. of N.Y.S. Tchrs. Coll. Faculties; A.V.A.; N.Y.S.V.P.A.A.; A.A.U.P.; Area of Splty.: Ind. Arts Edn.; Shops; Draw.. Travel: U.S.. Avoc. Ints.: Photo.; Model Airplane Bldg.; Ceramics.

HUTCHCROFT, C. Robert, Prof., State Univ. of N.Y., Tchrs. Coll., Oswego, N.Y.. b.: April 27, 1910, Larned, Kan.. Married, one child. Edn.: B.A., Colo. State Coll. of Edn., 1932; M.A., ibid, 1934; Ed.D., Columbia Univ., 1939. Exp.: Tchr., Ind. Arts on Elem., H. Schl., and Coll. level, Colo. State Coll. of Edn., Greeley, Colo., 1932-35; Tchr., Ind. Arts on Elem., H. Schl., and Coll. level, Lincoln Sch. and and Tchrs. Coll., Columbia Univ., 1935-39; Assoc. Prof. of Ind. Arts, Colo. State Coll. of Edn., Greeley, Colo., 1939-42; A.A.F.T.T.C., 1942-46; Prof. of Ind. Arts, Colo. State Coll. of Edn., 1946-47; Prof. of Ind. Arts Edn., State Tchrs. Coll., Oswego, N.Y., 1947---. Publs.:

Contbd. to "Amer. Voc. Jour.". Mem.: Phi Delta Kappa; Kappa Delta Pi; Epsilon Pi Tau; N.E.A.; A.C.I.A.T.E.; A.V.A.; A.I.A.A.; N.Y.S. Tchrs. Assn.; Treas., 1951---; N.Y.S.U.P.A.A.; N.Y.S. Tchrs. Coll. Fac. Assn.. Areas of Splty.: Ind. Arts Edn.; Drafting; Tchr. Training. Travel: England; Scandinavia. Avoc. Ints.: Aviation; Home Work Shop; Books; House Planning.

IKENBERRY, Herbert A., Instr., Ind. Arts Edn., Okla. A. & M. Coll., Stillwater, Okla.. b.: Jan. 10, 1912, Quinter, Kan.. Married, one child. Edn.: B.S., McPherson Coll., McPherson, Kan., 1938; M.S., Okla. A. & M. Coll., Stillwater, Okla., 1946. Exp.: Durham H. Sch., Durham, Kan., 1938-40; Blackwell H. Sch., Blackwell, Okla., 1941-42; Mach. and Tool Maker, Okla. City, Okla., 1942-46; Stillwater H. Sch., Stillwater, Okla., 1947---. Mem.: Okla. Ind. Arts Assn; Iota Lambda Sigma. Areas of Splty.: Metalwork; Arts and Crafts. Travel: U.S.. Avoc. Ints.: Photo.; Amateur Optical Work; Crafts.

ISHMAN, William, Instr., Univ. of Miami, Coral Gables, Fla.. Married, one child. Edn.: Work at Carnegie Inst. of Technology. Exp.: Tchr., Pub. Schls., 10 yrs.; Instr., Coll., 4 yrs.. Area of Splty.: Mach. Shop.

IVERSON, Laurel, Instr., Southern State Tchrs. Coll., Springfield, S.D.. b.: Aug. 2, 1918, Merkling, S.D.. Married, two children. Edn.: B.S., Southern State Tchrs. Coll., Springfield, S.D.. 1947; Grad. Work. Exp.: Instr. of Auto Mechanics, Southern State Tchrs. Coll., 1948---. Mem.:A.V.A.. Areas of Splty.: Diesel and Auto Mechanics; Body Repairs. Travel: Sicily; Italy; Africa; Japan; Hawaii; Philippines. Avoc. Ints.: Woodworking.

JACKSON, F. Lowell, Chair., Dept. of Ind. Edn., Univ. of Okla., Norman, Okla.. b.: Dec. 12, 1918, Lexington, Okla.. Married. Edn.: B.S., Univ. of Okla., Norman, Okla.. 1943; M.S., Wayne Univ., 1950. Exp.: North Amer. Aviation Co., Dallas, Texas, 1941-42; Okla. Defense Training Prog., Norman, Okla., 1943; Douglas Aircraft Co., Okla. City, Okla., 1943-45; Detroit Tool Engr. Co., Lebanon, Mo., 1945-46; Univ. of Okla., Norman, Okla., 1946---. Publs.: Two articles in "I.A.V.E.". Mem.: A.I.A.A.; N.A.I.T.T.; Okla. Ind. Arts Assn.; Okla. Prof. Engrs.; Phi Delta Kappa. Areas of Splty.: Woodwork; Mach. Shop. Avoc. Ints.: One-Evening Projects in Woodwork or Mach. Shop.

JACKSON, Harry R., Chair., Ind. Arts Dept., State Tchrs. Coll., Winona, Minn.. b.: Oct. 3, 1900, Shelbyville, Ill.. Married. Edn.: B.E., State Tchrs. Coll., Charleston, Ill., 1931; M.S., Indiana Univ., Bloomington, Indiana, 1935; Working on Doctorate. Exp.: Taught at

the Following: Rural Schl., Shelby Co., Ill., 2 yrs.; Jr. H. Schl., Indianapolis, Indiana 5 yrs.; Cumberland Coll., Williamsburg, Ky., 2 yrs.; Eastern Ill. State Tchrs. Coll., Charleston, Ill., 4yrs.; State Tchrs. Coll., Winona, Minn., 15 yrs.. Mem.: A.V.A.; A.I.A.A.; A.A.U.P.; Minn. Voc. Assn.; S.E. Minn. Ind. Arts Assn.; Minn. Edn. Assn.; Epsilon Pi Tau; Phi Delta Kappa; Kappa Delta Pi. Areas of Splty.: Printing; Drafting; Woodwork. Travel: U.S.. Avoc. Ints.: Safety; Chess; Fishing.

JACKSON, Lewis A., Prof. of Ind. Edn., Central State Coll., Wilberforce, Ohio. b.: Dec. 29, 1912, Angola, Indiana. Married, two children. Edn.: B.S., Marion Coll., Marion, Indiana; 1939; M.A., Miami Univ., Oxford, Ohio, 1948; Ph.D., Ohio State Univ., 1950. Exp.: Tchr., Pub. Schls., Marion, Indiana, 1936-40; Dir. of Training, Div. of Aeronautics, Tuskegee Inst., 1940-46; Dir. of Student Personnel and Prof. of Ind. Edn., Central State Coll., Wilberforce, Ohio, 1946—. Publs.: Contbd. to "Jour. of Edn. Psychology". Mem.: A.A.U.P.; A.I.A.A.; Amer. Tchrs. Assn.; Phi Delta Kappa. Areas of Splty.: Higher Edn.; Sec. Edn.; Ind. Arts; Guidance. Travel: Canada; U.S.. Avoc. Ints.: Aeronautics; Travel.

JACOBSEN, Eckhart A., Asst. Prof., State Tchrs. Coll., Fitchburg, Mass.. b.: Feb. 12, 1915, Rochester, N.Y.. Married, three children Edn.: B.S., State Tchrs. Coll., Oswego, N.Y., 1937; M.S., Cornell Univ., 1946. Exp.: Instr., Gen. Shop, J. Sr. H. Schl., Hillsdale, N.Y., 1937-40; Instr., Gen. Shop, J.H. Schl., Elmira, N.Y., 1940-46; Supv., Ind. Arts, Elmira, N.Y., 1943-46; Asst. Prof., Ind. Arts Edn., State Tchrs. Coll., Fitchburg, Mass., 1946—; Instr., Officer, Glider Flight Training, Elmira, N.Y., 1942-45; Ind. Exp., 1935, 1943. Mem.: A.V.A.; N.E.I.A.T.A.; Mass. Ind. Edn. Soc.; Mass. Voc. Assn.; Epsilon Pi Tau. Areas of Splty.: Drawing; Metalwork; Tchr. Training. Avoc. Ints.: Music; Const. and Flight of Motorless Aircraft; Bird Hunting; Trout Fishing; Raising Roses.

JAMES, Lee B., Asst. Prof., Prairie View Agri. and Mech. Coll., Prairie View, Texas. b.: Aug. 5, 1918, Grenada, Miss. Married. Edn.: B.S., Lincoln Univ., 1939; M.S., Wayne Univ., 1944. Exp.: Head, Dept. of Ind. Arts, Daltons Voc. Schl., 1939-42; Prin., Jr. H. Schl., 1944-47; Ford Motor Co., 1942-44; Ind. Arts Tchr. Edn., 12 yrs. Mem.: N.E.A.; Tex. State Tchrs. Assn. Areas of Splty.: Ind. Arts; Edn. Travel: Canada; Mexico. Avoc. Ints.: Photo.

JARVIS, Dee V., Instr., Neb. State Tchrs. Coll., Peru, Neb.. b.: Aug. 29, 1913, Walthill, Neb.. Married, two children. Edn.: B.A.,

Neb. State Tchrs. Coll., Peru, Neb.. Exp.: Elem. and Rural Tchr., 1936-42; Safety Engr., U.S.E.D., 1942-44; U.S.N., 1944-46; Safety Dir., U.S.A.A.C., 1946-47; Instr., Neb. State Tchrs. Coll., Peru, Neb., 1948---. Mem.: Epsilon Pi Tau. Areas of Splty.: Safety; Driver Edn.; Carpentry; Painting. Travel: U.S.. Avoc. Ints.: Shop Work; Home Repair; Gardening.

JARVIS, John A., Asst. Prof., The Stout Inst., Menomonie, Wis.. b.: June 14, 1908, Janesville, Wis.. Married, two children. Edn.: B.S.M.E., Univ. of Wis., Madison, 1931; B.S., Ind. Edn., The Stout Inst., Menomonie, Wis., 1936; M.Ed., Wayne Univ., Detroit, Mich., 1941; Other Grad. Study. Exp.: General Motors, Chevrolet Div., 1932-35; Tchr., Patternmaking, Bd. of Edn., Flint, Mich., 1937-41; War Dept., Ft. Knox, Ky., 1942; Officer, U.S.N., 1942-46; The Stout Inst., Menomonie, Wis., 1946---. Publs.: Contbd. to "I.A.V.E."; "Journ. of Experimental Edn.". Mem.: N.E.A.; A.A.U.P.; A.V.A.; Wis. Edn. Assn.; Epsilon Pi Tau; Mu Sigma Pi; Phi Delta Kappa. Areas of Splty.: Ind. Edn.; Statistics. Travel: U.S.; Mexico; Canada; Admiralty Islands; New Guinea; Philippine Islands. Avoc. Ints.: Model Railroads.

JAYMES, Charles, Instr. of Printing, Southern Univ., Baton Rouge, La. b.: Feb. 17, 1913, Washington, D. C.. Married. Edn.: B.S., Hampton Inst., Hampton, Va., 1936. Exp.: Instr. of Printing, Wilberforce Univ., Wilberforce, Ohio, 1937-42; U.S.C.G., 1942-44; Instr. of Printing, Wash. Tech. H. Schl., St. Louis, Mo., 1944-46; Instr. of Printing, Prairie View A. & M. Coll., 1946-47; Linotype Oper., 1947-51; Instr. of Printing, Southern Univ., 1951---. Mem.: Nat. Graphic Arts Assn.; Alpha Phi Alpha. Areas of Splty.: Printing. Avoc. Ints.:Music; Guidance.

JENKINS, J., Jr. (l.i.), B.S., Instr., Dept. of Ind. Edn., The A. and T. Coll. of N. C., Greensboro, N.C.

JENKINS, M. (l.i.), B.S., Asst. Prof., Ind. Arts Dept., Central Mo. State Coll.,Warrensburg,Mo..

JEPPSEN, E. C. (l.i.) M.S. Prof. and Hd. (on leave), Ind. Arts Edn. Dept., Utah State Agricultural Coll., Logan, Utah.

JEYS, G. H. (l.i.), Instr., Ind. Arts Dept., Pacific Union Coll., Angwin, Calif..

JOHNSEN, Martin O., Asst. Prof. of Ind. Arts, Kent State Univ., Kent, Ohio. b.: July 28, 1909, Superior, Wis. Married, one child. Edn.: B.Ed., Superior State Tchrs. Coll., Superior, Wis., 1932; B.S., The Stout Inst., Menomonie, Wis., 1939; M.S., Univ. of Minn., Minneapolis,

1946; Other Grad. Study. Exp.: Tchr., Pub. Schls., Knoxville, Tenn., 1939-41; Tchr., Watertown Voc. and Adult Schl., Watertown, Wis., 1941-42; U.S.N.T.T.S., Great Lakes, Ill., 1942-44; Tchr., Pub. Schls., Albert Lea, Minn., 1946-47; Kent State Univ., Kent, Ohio, 1947---; Ind. and Work Exp.. Publs.: Contbd. to "I.A.V.E."; "Schl. Shop". Mem.: A.V.A.; N.A.I.T.T.; N.E.A.; Northeastern Ohio Edn. Assn.; Northeastern Ind. Arts Assn.. Areas of Splty.: Metalwork; Welding; Mach. Shop. Avoc. Ints.: My Family; Art Metalwork; Fishing.

JOHNSON, Clifford S., Instr., State Tchrs. Coll., Platteville, Wis.. b.: Jan. 14, 1908, Milnor, N.D.. Married, one child. Edn.: B.S., State Norm. and Ind. Coll., Ellendale, N.D., 1934; M.A., Univ. of Minn., 1946. Exp.: Ind. Arts Tchr., H. Schl., 1934-41; Instr., U.S.N.A.T.T.S., 1941-46; Ind. Arts Tchr. Training, 1946---. Mem.: Wis. Edn. Assn.; N.E.A.; A.I.A.A.. Areas of Splty.: Metalwork; Plastics; Auto Mechs.. Travel: U.S.. Avoc. Ints.: Home Constr.; Fishing.

JOHNSON, Conrad J., Asst. Prof. Ind. Arts, State Tchrs. Coll. of N.J., Trenton, N.J.. b.: Aug. 15, 1912, Westfield, N.J.. Married, two children. Edn.: B.S., State Tchrs. Coll., Trenton, N.J., 1936; M.A., Rutgers Univ., 1939. Exp.: Instr., Ind. Arts, Toms River Schls., 1936-42; State Tchrs. Coll., Trenton, N.J., 1942-43, 1945---; H. Sch., Audubon, N.J., 1943-44; Jr. H. Sch., Montclair, N.J., 1944-45. Publs.: Panels for Teaching Related Information, "I.A.V.E.", 1942; Articles in "School Shop": Racks for Wood Lathe Accessories, Tin Can Turbine, Animated Display Features, Miniature Axe, Checker Sets. Mem.: N.E.A.; N.J.E.A.; N.J.V.I.A.A.; Mercer Co. Ind. Arts Assn.; Assn. Tchrs. Colleges, N.J.; Phi Delta Kappa; Phi Alpha Delta; Fac. Assn., Tchrs. Coll., Trenton. Areas of Splty.: Woodwork; Gen. Crafts; Ind. Arts Edn.. Travel: U.S.. Avoc. Ints.: Music; Golf; Swimming; Skating; Mechanics; Crafts.

JOHNSON, Cyril Wesley, Chair., Ind. Arts Dept., Fairmont State Coll., Fairmont, W. Va.. b.: Dec. 15, 1913, Minneapolis, Minn.. Married, two children. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1937; M.A., Ohio State Univ., 1940; Working on Doctoral Degree. Exp.: H. Schl., Webster Springs, W. Virginia, 1937-39; Cent. Mich. Coll., Mt. Pleasant, Mich., 1940-44; Univ. Schl., Ohio State Univ., 1946-47; Fairmont, W. Va., 1947---. Publs.: A few short subjects in "I.A.V.E." and "Mich. Ind. Edn. Review". Mem.: A.V.A.; A.I.A.A.; W. Va. Ind. Arts Assn., Sectry.-Treas., 1949, 1950; Epsilon Pi Tau; Phi Delta

Kappa. Areas of Splty: Woodwork; Arch. Drawing; Teacher Edn.. Travel: Pacific Area. Avoc. Ints: Sports; Church Activites; Furniture Const..

JOHNSON, E. J., Instr., Prairie View Agri. and Mech. Coll., Prairie View, Texas. b.: Dec. 25, 1891, Eagle Lake, Texas. Married. Edn.: Trade Certif., Prairie View A. & M. Coll. Exp.: Prairie View A. & M. Coll., 1927---. Mem.: N.A.I.T.T.; Colored Tchrs. State Assn. Avoc. Ints.: Religious Work.

JOHNSON, Everett B., Instr., Prairie View Agri. and Mech. Coll., Prairie View, Texas. b.: Dec. 31, 1920, Front Royal, Va. Married, two children. Edn.: B.S., Hampton Inst., 1950. Exp.: Instr. of Printing, Va. State Schl., 1949-50; Instr. of Printing, Prairie View A. & M. Coll., 1950---. Mem.: A.V.A.; International Graphic Arts Edn. Assn. Areas of Splty.: Printing; Voc. and Ind. Edn.; Photo.; Driver Edn.; Bus. Admin. Travel: Canada; Pacific Area. Avoc. Ints.: Photo.; Driver Edn.; Printer's Math.

JOHNSON, H. O. (l.i.), B.S., Instr., Ind. Arts Dept., Murray State Schl. of Agriculture, Tishomingo, Okla..

JOHNSON, Ira H., Asst. Prof. of Ind. Arts, State Tchrs. College, Mankato, Minn.. b.: Mar. 19, 1916, Mankato, Minn.. Married, one child. Edn.: B.E., Mankato State Tchrs. Coll., 1939; M.S., Iowa State Coll., 1941. Exp.: Project Engineer, Mpls. Honeywell Co.; Tchr., H. Schl.; Coll. Tchr.. Publs.: Contbd. to "I.A.V.E." and "School Shop". Mem.: A.V.A.; Minn. Edn. Assn.; Minn. Voc. Assn.; Sigma Zeta. Areas of Splty.: Ind. Arts Edn.. Travel: Canada; Mexico; U.S.. Avoc. Ints.: Radio; Stamps; Photo..

JOHNSON, Martin F., Asst. Prof., Ore. State Coll., Corvallis, Ore.. b.: Kalmer, Sweden. Married, two children. Edn.: B.S., Ore. State Coll., Corvallis. Exp.: First Asst. to Chief of Survey Party, U.S. Land Office, 1914-17; U.S.Army, 1918; Stud. Asst., Ore. State Coll.. Corvallis, 1919-20, Asst. Prof., 1943---; Tchr., Ind. Arts, Eugene H. Schl., 1921-40; Tchr., Dept. Head, Woodworking, Eugene Voc. Schl., 1940-43. Publs.: Contbd. to "Ore. Edn. Jour."; "Popular Homecraft"; "Recreational Handicraft Handbook". Mem.: A.V.A.; N.A.I.T.T.; Ore. State Tchrs. Assn.; Epsilon Pi Tau; Alpha Phi Omega. Areas of Splty.: Advanced Woodwork, Woodcarving, and Crafts; Boat Bldg.. Travel: France; Italy; Canada; Alaska; U.S.. Avoc. Ints.: Hunting; Fishing; Boating; Camping; Photo..

JOHNSON, Marvin E., Instr., Southern Ill. Univ., Carbondale, Ill.. b.: April 7, 1922, Albion, Ill.. Married. Edn.: B.S., Eastern Ill. State

Coll., 1947; M.S., Univ. of Ill., 1948. Exp.: U.S.A.A.C., 1942-45; Instr., Ind. Edn., 1948---. Mem.: Epsilon Pi Tau; Kappa Delta Pi; Ill. Voc. Assn.; A.I.A.A.; Ill. Egyptian Round Table No. 20, Pres.. Areas of Splty.: Metal work; Woodwork; Drafting. Travel: Hawaii and other Pacific Islands; Mexico. Avoc. Ints.: Woodworking; Fishing; Hunting; Boating.

JOHNSON Robert Irving, Instr. and Head, Dept. of Ind. Arts, Pacific Lutheran Coll., Parkland, Wash.. b.: Aug. 1, 1918, Dassel, Minn.. Married, three children. Edn.: B.S., Winona State Tchrs. Coll., Minn., 1940; M.Ed., Univ. of Minn., 1946. Exp.: Tchr., Pub. Schls., 1940-41, 1946-48; Instr., Private Adult Schl., 1948; Pacific Lutheran Coll., 1949---; Millwright Helper, 1941-42; Naval Carpenter, 1942-45. Mem.: Wash. Ind. Arts Club; A.C.I.A.T.E.; Phi Delta Kappa. Areas of Splty.: Wood; Drawing; Crafts. Travel: U.S.; Canada; Alaska. Avoc. Ints.: Collecting Books; Carving and Sculpture; Study of Antiquity and Archaeology.

JOHNSON, Robert P., Instr. of Ind. Arts, San Jose State Coll., San Jose, Calif.. b.: Nov. 17, 1922, Livermore, Calif.. Married, one child. Edn.: B.A., San Jose State Coll., San Jose, Calif., 1948; Grad. Study. Exp.: Instr., San Jose State Coll., San Jose, Calif., 1948--. Mem.: Epsilon Pi Tau. Areas of Splty.: Woodwork; Metalcraft; Auto Mechs.. Travel: European Theater. Avoc. Ints.: Furniture Designing; Tropical Collector.

JOHNSON, Rufus C., Jr., Chair., Ind. Arts Edn. Dept., State Tchrs. Coll., Cheyney, Pa.. b.: July 4, 1909, Evergreen, Ala.. Married. Edn.: B.S., State Tchrs. Coll., Cheyney, Pa., 1933; M.Ed., The Pa. State Coll., State Coll., Pa., 1935; Ed.D., ibid, 1949. Exp.: Instr., Head., Dept. of Ind. Edn., Md. State Coll., Princess Anne, Md., 1935-46; Instr., State Tchrs. Coll., Cheyney, Pa., 1946---, Chair., Dept., Ind. Arts Edn., 1950---. Publs.: Contbd. to "I.A.V.E." Mem.: N.E.A.; A.C.I.A.T.E.; A.I.A.A.; N.A.I.T.T.; Pa. Tchrs. Assn.; Phi Delta Kappa. Areas of Splty.: Ind. Arts Tchr. Edn., Gen. Shop Activities; Supvn. of Stud. Tchrs.; Edn. Guidance. Avoc. Ints.: Athletics; Cards; Student-Faculty Activities; Reading.

JOLLIE, William J., Instr., Prairie View Agri. and Mech. College, Prairie View, Texas. b.: May 13, 1906, Portal, Ga. Married, two children. Edn.: Trade Certif. Exp.: Gen. Contractor, 1931-37; Painter for U.S.N., 1942-45; Asst. Instr., Hampton Institute, 1945-47; Instr., Prairie View Agri. and Mech. Coll., 1949--. Mem.: Natl. Voc. Tchrs. Assn.; Colored Tchrs. State Assn. of Texas. Areas of Splty.: House

Decorating; Lettering and Spray Painting.

JONES, Daniel Thomas, Head, Dept. of Engineering Shops, Ala. Poly. Inst., Auburn, Ala.. b.: July 4, 1890, Birmingham, Ala.. Married, two children. Edn.: Diploma, Ala. Poly. Inst., 1913. Exp.: Const. Foreman, 1906-09; Instr., Ala. Poly. Inst., 1909-13; Engr., U.S. Govt., 1913-14; Engr., St. Andrews Light and Power Co., 1914-15; Supt., So. Cotton Oil Co., 1915-16; Supt., Water and Light Plant, 1916-17; Const. Engr., Seminole Graphite Co., 1917-18; Supt., Mech. Installation, Pensacola Ship-bldg. Co., 1918-21; Hd. Prof., Shops and Bldg. Const., Ala. Poly. Inst., 1921-28, Hd., Ind. Engrn. Dept., 1928---. Publs.: Engrn. Problems, 1928. Mem.: Ala. Dept. of Ind. Arts, Pres., 1928; Iota Lambda Sigma; Ala. Edn. Assn.. Area of Splty.: Admin..

JONES, H. (l.i.), Sr. Tech., Dept. of Ind. Edn., Tenn. A. and I. State Coll., Nashville, Tennessee.

JONES, N. A., Instr., Prairie View A. and M. Coll., Prairie View, Tex.. b.: June 14, 1884, Roxton, Tex.. Married, four children. Edn.: Diploma, Langston Univ., 1908; Trade Certif., ibid, 1910. Exp.: Instr. of Mach. Shop, Langston Univ., 1910-18; Chief Engineer and Instr. of Engrn., 1920-29; Prairie View A. and M. Coll., 1929---. Area of Splty.: Mechanics. Avoc. Ints.: Radio Engineering.

JONES, R. (l.i.), Instr., Div. of Ind. Edn., State A. and M. Coll., Orangeburg, South Carolina.

JONES, T. W., Dean, Schl. of Mech. Industries, Tuskegee Inst., Tuskegee, Ala.. b.: Apr. 1, 1904, Sacramento, Calif.. Married. Edn.: B.S. in E.E., Ia. State Coll., 1935; M.S. in E.E., ibid, 1939. Exp.: Electrician, 1922-24; Electrical Contractor, 1924-30; Head, Elect. Div., Tuskegee Inst., 1930-32; Head, Physics Dept., Prairie View A. & M. Coll., 1936-41; E.S.M.W.T. Coordinator for Ala., 1941-45; Dean, Schl. of Mech. Industries, Tuskegee Inst., 1945---. Mem.: A.V.A.; N.E.A.; Natl. Tchrs. Assn.; A.I.E.E. Area of Splty.: Electronics. Avoc. Ints.: Still Photo.; Music; Short Story Writing.

JORDAN, Glenn C., Asst. Prof., E. Tenn. State Coll., Johnson City, Tenn.. b.: July 14, 1913, Willoughby, Ohio. Married. Edn.: B.S., Kent State Univ., Kent, Ohio, 1936; M.A., Ohio State Univ., Columbus, Ohio, 1946. Exp.: Instr., Ind. Arts, Pub. Schls., 1936-42, 1943-45; Civil Service, 1942-43; Instr., Ind. Arts, Pvt. Boys Schl., 1945-47; Instr., Voc. Schl., 1947-48; Asst. Prof., Ind. Arts, E. Tenn. State Coll., 1948---. Mem.: A.I.A.A.; N.A.I.T.T.; Tenn. Edn. Assn.; E. Tenn. Edn. Assn.; Mu Delta Kappa. Areas of Splty.: Plastics; Woodwork; Drawing. Travel: U.S.. Avoc. Ints.: Music; Gardening; Sports.

JOSIF, Bernard R., Instr., Ball State Tchrs. Coll., Muncie, Indiana. b.: Sept. 24, 1923, Dixon, Ill.. Married, one child. Edn.: B.S., Miami Univ., Oxford, Ohio, 1945; M.A., ibid; Other Grad. Study. Exp.: Miami Univ., Oxford, Ohio; Pfeiffer Coll., Misenheimer, N.C.; Ball State Tchrs. Coll.. Mem.: A.I.A.A.; A.V.A.; A.A.U.P.; Natl. Graphic Arts Assn.; Indiana Ind. Edn. Assn.; Indiana Voc. Assn.; Epsilon Pi Tau. Areas of Splty.: Graphic Arts; Drawing. Travel: Canada; Mexico; Cuba. Avoc. Ints.: Photography.

KARCHER, Harry M., Asst. Prof., State Univ. of N.Y., Tchrs. Coll., Oswego, N.Y.. b.: Aug., 1893, Buffalo, N.Y.. Married, one child. Edn.: B.S., Syracuse Univ., 1927; M.A., N.Y. Univ., 1934. Exp.: U.S. Army, 1917-1919; 12 yrs. in Elect. Ind. and Engr.. Publs.: Articles in Ednl. Publications; Extensive Monographs in Field of Electricity for Ind. Arts Tchrs.. Mem.: N.Y. State Tchrs. Assn.; N.Y.S.V.P.A.A.; A.V.A.; Cen. N.Y. Ind. Arts Assn.; N.Y. State Tchrs. Coll. Faculties. Areas of Splty.: Electricity, applied and theoretical. Travel: United States; Canada; Continental Europe.

KARNES, M. Ray, Head, Dept. of Ind. Edn., Univ. of Ill., Urbana, Ill.. b.: July 13, 1912, Commanche, Texas. Married. Edn.: B.S., North Texas State Coll., 1937; M.S., ibid, 1938; Ph.D., Univ. of Mo., 1948. Exp.: Carpenter and Cabinetmaker, 1930-37; Instr., N. Texas State Coll., 1938-40; Mo. State Dept. of Edn., 1941-42; Instr., The Armored Schl., Ft. Knox, Ky., 1942-45; Asst. Prof. of Ind. Edn., Univ. of Mo., 1946-48; Asst. Prof. of Ind. Edn., Univ. of Ill., 1948-50, Assoc. Prof., 1950—. Publs.: Measuring Educational Achievement, Co-author; Contributed to "I.A.V.E." and other publications. Mem.: A.I.A.A.; A.V.A.; Ill. Voc. Assn.; Phi Delta Kappa. Areas of Splty.: Woodwork; Metalwork; Tchr. Training. Travel: Mexico; Japan. Avoc. Ints.: Photo.; Archery.

KAUFFMANN, Désiré, Instr., N.Y. Univ., Wash. Square, N.Y.C.. b.: April 2, 1901, Alsace-Lorraine, France. Married, one child. Edn.: Baccalaureox des lettres, College St. Francois, Mauleon, Basses-Pyreuses, France, 1919; Baccalaureat Philosophic, Universite de Bordeaux, France, 1922; Ecole Militaire de St. Cyr, Versailles, France, 1923. Exp.: Linotype Operator, Novelliste d'Alsace, Colmar, Hant-Rhiss Patriote des Pyreuses, Bayonne, France, 1921-23; Editor, ibid, 1923-25; Compositor-linotyper, various N.Y. and Conn. Print. Plants, 1926-32; Owner-Operator, The Wash. Printery, Wash. and Danbury, Conn., 1932-42; Instr., N.Y. Univ., 1942—. Publs.: Graphic Arts Crafts, 1948, author; Home Crafts Handbook, 1948, co-author. Mem.: A.V.A.; N.Y.S. Voc. and Prac. Arts Assn.; N.Y. Print. Tchrs. Guide.

Areas of Splty.: Printing; Graphic Arts. Travel: Germany; Switzerland; Italy; Spain; Morocco; Algeria. Avoc. Ints.: Photo.-Mechanical Processes; Woodworking; Reading Philosophy.

KAUFFMAN, Henry J., Instr., State Tchrs. Coll., Millersville, Pa.. b.: Nov. 14, 1908, York Co., Pa.. Married. Edn.: B.S., State Tchrs. Coll., Millersville, Pa., 1932; M.S., Univ. of Pa., 1939. Exp.: Pub. Schls., Greenwich, Conn., 1929-30; Pub. Schls., York, Pa., 1930-35; Pub. Schls., Springfield, Pa., 1935-42; State Tchrs. Coll., Millersville, Pa., 1942—. Publs.: Home Craft Course in Pa. German Pewter; Home Craft Course in Pa. German Copper and Brass; Coppersmithing in Pa.; Pa. Dutch American Folk Art; Early American Copper, Tin and Brass; Contributed to the following mags.: "I.A.V.E."; "Antiques"; "Amer. Collector"; "The Spinning Wheel"; "Woman's Day". Mem.: Philadelphia Art Alliance; Pa. Guild of Craftsmen; A.A.U.P.. Area of Splty.: Metal Shop. Travel: Mexico.

KAUFMAN, Lucile B., Instr. of Ind. Arts, Ariz. State Coll., Tempe, Ariz.. b.: June 13, 1906, Rock Island, Ill.. Edn.: B.S.M.E., Colorado, 1927; M.S., ibid, 1937. Exp.: Ind. Training, 12 yrs.; Tchr., Pub. Schls., 5 yrs.; Tchr. Edn., 2 yrs.. Mem.: A.S.M.E.; N.S.P.E.. Areas of Splty.: Reg. Profnl. Engr., Mechanical; Drafting and Designing. Travel: U.S.. Avoc. Ints.: Swimming.

KAUFMAN, Peter R., Head, Ind. Arts Dept., Bethel Coll., N. Newton, Kan.. b.: Mar. 31, 1911, McPherson, Kan.. Married, one child. Edn.: B.S., Bethel Coll., N. Newton, Kan., 1936; M.A., Colo. State Coll. of Edn., Greeléy, 1945. Exp.: Tchr., Pub. Schls., 9 yrs.; Tchr., Coll., 6 years.

KAVANAUGH, William A., Instr., Univ. of Minn., Minneapolis, Minn.. b.: July 19, 1913, Prince Albert, Saskatchewan, Canada. Married, two children. Edn.: B.S., Univ. of Minn., 1947; M.A., ibid, 1948. Exp.: Tchr., Ind. Arts, Aitkin, Minn., 1939-40; U.S.M.C., 1943; Instr., Central H. Schl., Duluth, Minn., 1945-46; Instr., Ind. Arts, Univ. H. Schl., Univ. of Minn., 1946-47; Instr., Ind. Edn. Dept., Univ. of Minn., 1947-48, 1950—; Instr., State Coll. of Wash., Pullman, 1948-50. Publs.: Contributed to "I.A.V.E.". Mem.: N.A.I.T.T.; A.V.A.; Alpha Sigma Pi; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Radio; Electricity; Mach. Shop; Drawing; Plastics. Travel: Pacific Area. Avoc. Ints.: Church Groups; Amateur Radio; Camping.

KEANE, George R., Asst. Prof., City Coll. of N. Y., N. Y., N. Y. b.: Jan. 15, 1914, Jersey City, N. J.. Married, four children. Edn.: B.S., Trenton State Tchrs. Coll., 1936; M.A., Tchrs. Coll., Columbia

Univ., 1949; Other Grad. Study. Exp.: Tchr., Rahway Men's Reformatory, 1936-38; Tchr., Pub. Schls., 1938-50; Supv., Tchr. Edn., Ord. Dept., U.S. Army, 1942-46; Asst. Prof., Engrn. and Tchr. Edn., Jersey City Tchrs. Coll., 1946-50; Asst. Prof., Ind. Arts Tchr. Edn., City Coll. of N. Y., 1950---. Mem.: N.E.A.; A.I.A.A.; N. Y. State Voc. and Prac. Arts Assn.; N. J. Ind. Arts Assn.; Kappa Delta Pi. Areas of Splty.: Gen. Metals; Mach. Shop; Engrn. Drawing. Travel: Canada; Mexico. Avoc. Ints.: Boating; Boat Design.

KEATON, L. D., Assoc. Prof., E. Tex. State Tchrs. Coll., Commerce, Tex.. b.: Tenn.. Married, one child. Edn.: B.S., Geo. Peabody Coll. for Tchrs., Nashville, Tenn., 1922; M.A., Southern Methodist Univ., Dallas, Tex., 1938; Other Grad. Study. Exp.: Tchr., H. Schl., Murfreesboro, Tenn., 1917-19; Tenn. Poly. Inst., Cookeville, Tennessee, 1919-23; E. Tex. State Tchrs. Coll., Commerce, 1923---. Publs.: Contbd. to "I.A.V.E.". Mem.: A.A.U.P.; Amer. Soc. for Engrn. Edn.. Areas of Splty.: Drawing; Metalwork; Woodwork. Travel: Mexico.

KEENEY, Bert O., Asst. Prof., Kan. State Tchrs. Coll., Pittsburg, Kan.. b.: Nov. 20, 1909, Chadron, Neb.. Married, two children. Edn.: A.B., State Tchrs. Coll., Chadron, Neb., 1935; M.S., State Tchrs. Coll., Pittsburg, Kan., 1936; M.Ed., Univ. of Minn., Minneapolis, 1952. Exp.: Tchr. of Ind. Arts, Pub. Schls., 1936-42; U.S.N.R., 1942-45; Univ. of Kan., part time, 1945-46; Ind. Arts and Art Edn., State Tchrs. Coll., Pittsburg, Kan., 1946--. Mem.: N.E.A.; Western Arts Assn.; Central Craftsman's Guild. Areas of Splty.: Silversmithing; Jewelry; Ceramics; Art Edn.. Travel: Canada; Mexico; Alaska. Avoc. Ints.: Art Areas; Tennis.

KEENEY, C. (l.i.), Asst. Prof., Dept. of Ind. Arts, Univ. of Calif., Santa Barbara Coll., Santa Barbara, California.

KEITH, Floyd, Prof., The Stout Inst., Menomonie, Wis.. b.: Nov. 24, 1894, River Falls, Wis.. Married, three children. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1922; M.S., Ia. State Coll., 1928. Exp.: Metal Trades, 1908-15; Tchr., H. Schl., Columbus, Wis., 1915-20; The Stout Institute, Menomonie, Wis., 1922---; Defense Training, Welding, Sheet Metal, 1940-41; Supt., Aviation Metalsmiths, U.S.N.T.S., Navy Pier, Chicago, Ill., 1941-42. Mem.: N.E.A.; A.V.A.; N.A.I.T.T.; Wis. Edn. Assn.; Wis. Voc. Assn.; Wis. Ind. Arts Assn.; Northwestern Wis. Tchrs. Assn.. Areas of Splty.: Sheet Metal; Welding. Travel: United States; Canada. Avoc. Ints.: Hunting; Fishing; Travel.

KEITH, Marlow, Asst. Prof. of Ind. Arts, Ariz. State Coll., Tempe, Ariz.. b.: Apr. 2, 1914, Granite Falls, Minn.. Married, one child.

Edn.: B.A., Ariz. State Coll., Tempe, 1941; M.A., ibid, 1945; Other Grad. Study. Exp.: Tchr., Pub. Schls., 15 yrs.; Tchr. Edn., 7 yrs.; Apprentice Welder, Phelps-Dodge Mining Co., Jerome, Ariz., 1932-36. Mem.: Amer. Engrs. Assn.; A.A.U.P.; Local Ind. Arts Assn.. Areas of Splty.: Welding; Cabinetmaking; Plastics. Avoc. Ints.: Plastics.

KEMPER, Doyle, Head, Ind. Arts Dept., Southwest Mo. State Coll., Springfield, Mo.. b.: April 9, 1905, Fulton, Mo.. Married, one child. Edn.: B.S., Southwest Mo. State Coll., Springfield, Mo., 1930; M.A., Colo. State Coll. of Edn., Greeley, Colo., 1940. Exp.: Tchr., Elem. Schl., 1924, 1926-28; Tchr., Ind. Arts, Jr. H. Schl., 1930-40; Tchr., Ind. Arts, Sr. H. Schl., 1940-44; State Supv., Ind. Arts Edn. in Mo., 1944-47; Guest Prof., Ind. Edn. Dept., Texas A. & M. Coll., Summers 1946-47; Guest Prof., Ind. Arts Dept., Colo. State Coll., Summer, 1949. Mem.: A.I.A.A.; A.V.A.; N.E.A.; N.A.I.T.T.; A.A.U.P.; Mo. Ind. Edn. Assn. Mo. Voc. Assn.; Miss. Valley Ind. Arts Conf.; Phi Delta Kappa. Areas of Splty.: Woodwork; Drafting. Avoc. Ints.: Stock Farming; Birds.

KENCK, Ralph, Asst. Prof., Mont. State Coll., Bozeman, Mont.. b.: Jan. 27, 1900, Helena, Mont.. Married, two children. Edn.: B.S., Mont. State Coll., Bozeman, 1924; Other Grad. Study. Exp.: Tchr., H. Schl., 1923-28; Mont. State Coll., Bozeman, 1928-33, 1949—; Mont. State Dept. of Edn., 1933-49. Mem.: A.V.A.. Areas of Splty.: Teaching Methods. Travel: U.S.; Mexico.

KEOWN, Hugh, Chair., Div. of Ind. Arts and Mechanics, The Berry Schls., Mt. Berry, Ga.. b.: Apr. 16, 1914, Prairie Grove, Ark.. Married, three children. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1937; Lincoln Elec. Welding Schl., 1938. Exp.: Instr., Woodwork, Richmond Academy, 1937-38; Instr., Ind. Arts, Darlington Prep. Schl., 1938-42; Business for Self, 1942-46; The Berry Schls., Mt. Berry, Ga., 1946—. Mem.: Epsilon Pi Tau. Areas of Splty.: Woodwork; Drawing. Travel: U.S.; Mexico. Avoc. Ints.: Collecting and Restoring Antiques; Cattle Farming.

KIBLER, George W., Assoc. Prof., E. Tex. State Tchrs. Coll., Commerce, Tex.. b.: Aug. 12, 1898, Pilot Point, Tex.. Married, two children. Edn.: B.S., N. Tex. State Tchrs. Coll., Denton, 1923; M.A., Southern Methodist Univ., Dallas, Tex., 1930; Other Grad. Work. Exp.: Tchr., Yale, Okla., 1920; Prin., H. Schl., Yale, Okla., 1921; Tchr., Ind. Arts, H. Schl., San Antonio, Tex., 1923; Asst. Dir., Voc. Ind. Arts, San Antonio, Tex., 1924; Assoc. Prof. of Ind. Edn., E. Tex. State Tchrs. Coll., Commerce, 1925—. Publs.: Course of Study in Ind.

Arts for Jr. H. Schl., San Antonio, Tex.. Mem.: A.C.I.A.T.E.

KIDDER, R. B. (l.i.), M.S., Assoc. Prof., Ind. Arts Dept., Chico State Coll., Chico, California.

KING, Jesse Wayne, Asst. Prof., Northern Mont. Coll., Havre, Mont.. b.: Apr. 6, 1918, Tofield, Alberta, Canada. Married, one child. Edn.: B.A., Univ. of Calif., Santa Barbara, 1948; Grad. Study, Ore. State Coll.. Exp.: Consultant and Coord., Ind. Arts, Kings County, Calif., 1948; Asst. Prof., Northern Mont. Coll., Havre, 1948—. Member: N.A.I.T.T.; Calif. Tchrs. Assn.; Epsilon Pi Tau; A.C.I.A.T.E.. Areas of Splty.: Electricity; Guidance; Audio-Visual Edn.. Travel: England; France; Belgium; Germany; Canada; Mexico. Avoc. Ints.: Golf; Model Bldg.; Radio.

KINISON, Charles Richard, Assoc. Prof., Ohio Univ., Athens, Ohio. b.: July 29, 1889, Dahlgren, Ill.. Married. Edn.: B.S., Univ. of Ill., Urbana, 1926; M.S., ibid, 1927; All Work Except Dissertation Completed for Doctorate. Exp.: Herrin City Schls., Ill., 1908-10; Ward Schl. Prin., Mt. Vernon, Ill., 1910-17; U.S. Army, 1917-19; Supt. and H. Schl. Prin., Rosamond Pub. Schls., Ill., 1919-24; Asst. in Ind. Edn., Univ. of Ill., Urbana, 1926-28; Asst. Prof., Ohio Univ., Athens, 1928-38, Assoc. Prof., 1938—. Publs.: Wood Turning Manual, Ohio Univ. Service Bureau, 1931, Revised 1933; Printing Processes, a Manual for Journalism Students, Ohio Univ. Service Bureau, 1936; Best Nat. Advertising of 1949-50, Judge of Typography; Contbd. to the following mags.: "I.A.V.E."; "Ind. Arts Mag."; "N. Cent. Assn. Quartley". Mem.: A.I.A.A.; A.C.I.A.T.E.; A.V.A.; Miss. Valley Ind. Arts Conf.; N.E.A.; Ohio Edn. Assn.; Ohio Ind. Arts Assn.; Nat. Assn. for Printing Edn.; Phi Delta Kappa; Epsilon Pi Tau; Sigma Delta Sigma; Kappa Delta Pi. Areas of Splty.: Graphic Arts; Administration. Travel: France; Belgium; England; Italy. Avoc. Ints.: Bowling; Golf; Gardening.

KITTLE, Dean F., (l.p.) Prof. of Ind. Arts, Ohio Northern Univ., Ada, Ohio. b.: May 24, 1905, Trimble, Ohio. Married. Edn.: B.S., Ohio Univ., 1927; M.S., Ia. State Coll., 1935. Exp.: Tchr., Pub. Schls., 1927-43; Asst. Foreman of Instruction, Westinghouse Elect. Co., 1943-46; Ohio Northern Univ., 1946—. Mem.: A.I.A.A.; Midwestern Ind. Arts Assn., Past Pres., 1950; Ohio Ind. Arts Assn.; Epsilon Pi Tau. Areas of Splty.: Woodwork; Sheet Metal.

KJOS, O. E. (l.i.), M.Ed., Asst. Prof. and Hd., Dept. of Ind. Arts, Northern Montana Coll., Havre, Montana.

KLEHM, Walter A., Prof. and Head, Dept. of Ind. Arts, Eastern Ill.

State Coll., Charleston, Ill.. b.: Feb. 3, 1903, Remington, Ind.. Married, one child. Edn.: B.A., North Cent. Coll., Naperville, Ill., 1924; M.A., Univ. of Ill., Urbana, Ill., 1930; Ed.D., Univ. of Mo., Columbia, Mo., 1936. Exp.: Instr., Ind. Arts, and Coach, Hillsdale Twp. H. Schl., Hillsdale, Ill., 1924-26; Draftsman, Chicago, Ill., 1926-28; Instr., Ind. Arts, State Tchrs. Coll., Kearney, Neb., 1928-30; Head, Dept. of Ind. Arts, State Tchrs. Coll., Kearney, Neb., 1930-38; Head, Dept. of Ind. Arts, Eastern Ill. State Coll., Charleston, Ill., 1938---. Publs.: Contbd. to the following: "I.A.V.E.", "Neb. State Tchrs. Jour". Mem.: N.E.A.; A.V.A.; Ill. Voc. Assn.; Ill. Edn. Assn.; Ill. Ind. Arts Assn., V. Pres., 1945; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Profnl. Courses; Arch. Drafting; Ind. Arts Design. Travel: U.S.. Avoc. Ints.: Sports; Gardening; Home Workshop; Golf.

KLEINTJES, Paul L., Instr., State Univ. of N.Y., Tchrs. Coll., Oswego, N.Y.. b.: June 4, 1916, Auburn, N.Y.. Married, two children. Edn.: B.S., State Tchrs. Coll., Oswego, N.Y., 1940; M.A., Ohio State Univ., 1947. Exp.: Auto. Mech., 1934-40; H. Schl. Instr., 1940-42; U.S.A.A.F., 1942-43; U.S.A.C.E.C., 1943-46. Mem.: A.I.A.A.; A.V.A.; N.Y.S.V.P.A.A.; N.Y.S. Tchrs. Assn.; N.Y.S. Tchrs. Coll. Faculties Assn.; Central N.Y. Ind. Arts Group; Epsilon Pi Tau. Areas of Splty.: Tchr. Edn.; Transportation; Driver Edn.. Travel: U.S.; England; France; Belgium; Holland; Germany; Austria; Panama; Philippine Is.; Japan; Canada. Avoc. Ints.: Arch. and House Bldg.; Model Engring.; Boat Bldg.; Geology.

KNIFE, William G., Asst. Prof. of Ind. Arts, Univ. of Calif., Santa Barbara Coll., Santa Barbara, Calif.. b.: June 19, 1911, London, England. Married, two children. Edn.: B.S., N. Y. Univ., 1933; M.A., Tchrs. Coll., Columbia Univ., 1938; Ed.D., ibid, 1950. Exp.: Pub. Schls., Garden City, N. Y., 1933-39; Va. Poly. Inst., Radford Coll., Radford, Va., 1938-41; War Production Training, Glen L. Martin Co., Baltimore, Md., 1941-44; Columbia Univ., Horace Mann-Lincoln Schl., 1944-48; Univ. of Calif., Santa Barbara Coll., 1948--. Publs.: "Sheet Metal Bend Allowance Data, Formula, Description, and Charts", Glen L. Martin Co., 1947; Contributed to "School Executive". Member.: A.C.I.A.T.E.; A.A.U.P.; Calif. Ind. Arts Assn.; Phi Delta Kappa; Delta Kappa Pi. Areas of Splty.: Ind. Arts for Elem. Schls.; Gen. Shop; Crafts; Model Building; Schl. Bldg. Planning. Travel: U.S.; Canada. Avoc. Ints.: Camping; Gardening; Fishing.

KOEHLER, Everett E., Asst. Prof., State Tchrs. Coll., Fitchburg, Mass.. b.: Oct. 10, 1910, Buffalo, N.Y.. Married, three children. Edn.: B.S., Buffalo State Tchrs. Coll., 1936; M.A., N.Y. Univ., 1941. Exp.:

Ind. Exp., 1929-32; Instr., Gen. Shop, Catskill H. Schl., Catskill, N.Y., 1936-41; Ind. Arts Dept., Jenkintown H. Schl., Jenkintown, Pa., 1941-46; Supv. of Off-Campus Pract. Tchrs., Fitchburg State Tchrs. Coll., 1946---. Member: A.I.A.A.; Mass. Ind. Edn. Soc., Pres.; N.E.I.A.A., Chair. of Com. on Tchr. Edn. and Admin. and Supv. of Ind. Arts; Mass. Voc. Assn.; Mass. State Tchrs. Coll. Assn.; Epsilon Pi Tau. Areas of Splty.: Power Mech.; Off-Campus Supv. of Pract. Tchrs.. Avoc. Ints.: Home Upkeep; Gardening.

KOHLER, Richard C., Instr. of Ind. Edn., So. Ill. Univ., Carbondale, Ill.. b.: Nov. 11, 1915, Danvers, Ill.. Married. Edn.: B. Ed., Ill. State Normal Univ., 1939; A. M., Colo. State Coll. of Edn., 1946; Ed. D., Univ. of Mo., 1951. Exp.: Bloom Township, 1939-42; U.S.A.F., 1942-45; So. Ill. Univ., 1946--- Publs.: Contbd. to "The Elem. Schl. Jour.", "The Ind. Arts General Shop". Mem.: Phi Delta Kappa; A.A.U.P.; A.V.A.; Ill. Ind. Edn. Assn.; A.I.A.A.. Areas of Splty.: Elem. Schl. Ind. Arts.; Handicrafts. Travel: U. S.; Britain; Iceland; Greenland; Newfoundland; Canada. Avoc. Ints.: Golf; Leather Work; Wrought Silver.

KOHLER, Roderick G., Asst. Prof., Northern Ill. State Tchrs. Coll., DeKalb, Ill.. b.: Nov. 11, 1915, Danvers, Ill.. Married. Edn.: B.Ed., Ill. State Normal Univ., 1939; M.A., Colo. State Coll. of Edn., 1946; Ed.D., Univ. of Mo., 1952. Exp.: Tchr., Pub. Schls., 1939-43; Instr. of Meteorology and Navigation, U.S.A.A.F., 1943-46; Instr. of Crafts, Natl. Coll. of Edn., Evanston, Ill., 1946-47; Asst. Prof. of Ind. Arts, Northern Ill. State Tchrs. Coll., 1947---. Mem.: A.V.A.; A.I.A.A.; N.E.A.; Epsilon Pi Tau; Phi Delta Kappa; Ill. Voc. Assn.; Ill. Edn. Assn.. Areas of Splty.: Mech. Drawing; Crafts.

KOVACH, Frank J., Head, Ind. Edn. Dept., Univ. of Minn., Duluth Branch, Duluth, Minn.. b.: Apr. 15, 1896, Biwabik, Minn.. Married, two children. Edn.: B.S., Univ. of Minn., 1929; M.A., ibid, 1938. Exp.: Tchr., Ind. Arts, Pub. Schls., 1919-21, 1922-25, 1926-29; Instr., Tchr. Training in Ind. Arts, 1929-44, 1946---; Carpentry Contractor, 1922-23; Aircraft Metalwork, Hudson Motors, Detroit, Mich., 1944-45; Chief Draftsman, Dept. of Air Cond., Garwood Industries, Inc., Detroit, Mich., 1945-46. Publs.: Contbd. to "I.A.V.E."; "Popular Homecraft". Mem.: A.I.A.A.; A.C.I.A.T.E.; N.A.I.T.T.; A.V.A.; A.A.U.P.; Minn. Edn. Assn.. Areas of Splty.: Carpentry; Drafting. Travel: England; France; Germany. Avoc. Ints.: Golf; Art Metal Crafts.

KRANZUSCH, Ray F., Assoc. Prof., The Stout Inst., Menomonie, Wis.. b.: July 20, 1894, Appleton, Wis.. Married, three children. Edn.: B.S.,

The Stout Inst., Menomonie, Wis., 1936; M.S., Ia. State Coll., 1941. Exp.: Electrical Repair, 1914-19; Tchr., H. Schl., Voc. Schl., 1921-24; Tchr., Coll., 1924—. Publs.: Metalwork Essentials, co-author with Tustison. Mem.: N.E.A.; A.V.A.; N.A.I.T.T.; Wis. Edn. Assn.; Epsilon Pi Tau; Psi Chi. Areas of Splty.: Gen. Shop; Safety Edn.; Driver Edn.. Avoc. Ints.: Hunting; Fishing; Gardening; Radio; Photography.

KRUBECK, Floyd E., Instr., Colo. State Coll. of Edn., Greeley, Colo.. b.: Nov. 8, 1917, Bertand, Neb.. Married, one child. Edn.: B.S., Neb. State Tchrs. Coll., 1941; M.A., Colo. State Coll. of Edn., 1949. Exp.: State Ind. Schl. for Boys, Kearney, Neb., 1939-41; Gibbon Pub. Schl., Gibbon, Neb., 1941-42; U.A.A.C., 1942-45; Gibbon Pub. Schl., Gibbon, Neb., 1945-46; Neb. State Tchrs. Coll., Summers, 1946-47; Supt., Mascot Consld. Pub. Schl., Mascot, Neb., 1946-48; Instr. of Ind. Arts, Colo. State Coll. of Edn., 1949—. Mem.: Phi Delta Kappa; Delta Phi Delta; A.V.A.. Areas of Splty.: Wood; Metal; Draft.. Travel: U.S.. Avoc. Ints.: Sports.

KURTH, Edwin L., Head, Ind. Edn. Dept., State Norm. and Ind. Coll., Ellendale, N.D.. b.: May 25, 1912, Brampton, N.D.. Married, two children. Edn.: B.S., State Norm. and Ind. Coll., Ellendale, N.D., 1938; M.Ed., Colo. A. & M. Coll., Fort Collins, Colo., 1949. Exp.: Elem. and Jr. H. Schl. Teaching, 1931-36; Sr. H. Schl. Teaching, 1938-41; Sr. Instr., Aircraft Mechanics, 1941-43; Sr. Instr., Chief Instr., Flight Engnr. Schl., 1943-47; Head, Ind. Edn. Dept., State Norm. and Ind. Coll., Ellendale, N.D., 1947—. Publs.: Contbd. to "N.D. Tchr."; "I.A.V.E."; Army publs. on Aircraft Mechanics and Cruise Control for Flight Engrs.. Mem.: A.I.A.A.; A.C.I.A.T.E.; Nat. Assn. of Supvs. of Stud. Tchrs.; N.E.A.; N.D. Edn. Assn.; Iota Lambda Sigma; co-chairman, N.D. Ind. Arts Handbook Com.. Areas of Splty.: Woodwork; Crafts; Tchr. Training. Travel: U.S.; Mexico; Canada. Avoc. Ints.: Woodwork; House Planning; Crafts; Church Work.

LABAT, Victor H., Dir. of Ind. Arts Edn., Xavier Univ., New Orleans, La.. b.: Mar. 24, 1904, Bay St. Louis, Miss.. Married, three children. Edn.: B.S., Xavier Univ., New Orleans, La., 1933; M.A., Ohio State Univ., 1946. Exp.: Ind. Arts Tchr., Jr. H. Schl., 1929-30; Ind. Arts Tchr., Xavier Prep. Schl., 1931-40; Dir. of Ind. Arts, Xavier Univ., 1940—; Dir. of Trade Schl., 1946—; Supv., N.Y.A., 1932-34; Apprentice, Journeyman, and Foreman, Building Trades, 6 years. Member: A.I.A.A.; A.C.I.A.T.E.; La. State Ind. Arts Assn.; New Orleans Trade and Ind. Arts Assn.. Areas of Splty.: Profnl. Courses; Curriculum Const. in Ind. Arts; Methods for Teaching Ind. Arts Subjects. Travel:

U.S.. Avoc. Ints.; Arch. Drawing; Boat Building.

LaBOUNTY, Raymond A., Asst. Prof. of Ind. Arts, Mich. State Norm. Coll., Ypsilanti, Mich.. b.: Nov. 16, 1917, Mich.. Married, two children. Edn.: B.S., Mich. State Norm. Coll., 1939; M.A., Univ. of Mich., 1941. Exp.: Tchr., Pub. Schls., 1939-41; U.S.N., 1942-45; Mich. State Norm. Coll., Ypsilanti, 1945---. Mem.: A.I.A.A.; Mich. Ind. Edn. Soc.; Iota Lambda Sigma. Areas of Splty.: Electrical Work; Woodwork; Gen. Shop. Travel: U.S.; Mexico; Italy; South and Central Amer.; Philippines; Hawaiian Islands.

LAMB, Charles B., Instr.,Southeast Mo. State Coll., Cape Girardeau, Mo.. Edn.:Studied at Iowa State Coll. of Agri. and Mech. Arts, Cornell Univ., Bradley Polytechnic Inst., and Univ. of Mo.. Exp.: Founded Ind. Arts Dept., Southeast Mo. State Coll., 1901; Instr.,ibid, 1901---.

LANCE, J. (l.i.), Instr., Dept. of Ind. Edn., Univ. of Vermont and State Agricultural Coll., Burlington, Vermont.

LAND, S. Lewis, Head, Dept. of Ind. Edn., The Pa. State Coll., State Coll., Pa.. b.: Feb. 25, 1898, Tellico Plains, Tenn.. Married, one child. Edn.: B.S., Peabody Coll., 1922; M.S., Univ. of Wis., 1925; Ph.D., N.Y. Univ., 1931. Exp.: Dir. of Mech. Arts, Tenn. Polytechnic Inst., 1922-24; Lecturer in Voc. Edn., Univ. of Wis., 1924-25; Natl. Trade Ext. Bureau, Chief, Home Study Div., 1925-26, Edn. Dir., 1926-29; Edn. Dir., Natl. Assn. of Heating and Air Conditioning Dirs., 1929-36; Supv. of Ind. Edn. and Ind. Tchr. Training, N.Y. State Edn. Dept., 1937-44; Pa. State Coll., Head Dept. of Ind. Edn., 1944---, Dir. Voc. Tchr.Edn., 1946---. Publs.: The Duties, Qualifications, and Responsibilities of Dirs. of Voc. Edn., 1925; Standard Text of Steam Fitting, 1927; Standard Manual of Pipe Welding, 1931; Trade Assns.—Their Service to Edn., 1932; Training for Ind., 1945; Contbd. to: "I.A.V.E.", "Occupations", and Others. Mem.: A.V.A.; N.A.I.T.T., Pres., 1946; N.E.A.; A.A.U.P.; A.C.I.A.T.E.; Natl. Voc. Guid. Assn.; Pa. Voc. Assn.; Pa. Edn. Assn.; Phi Delta Kappa; Iota Lambda Sigma, Pres., 1945-46. Areas of Splty.: Admin. and Supv.; Research. Avoc. Ints.: Tennis; Golf; Swimming.

LANDIS, L. B. (l.i.), A.B., Asst. Prof., Ind. Arts Dept., Chico State Coll., Chico, California.

LANDIS, Russell H., Prof. of Ind. Arts, Eastern Ill. State Coll., Charleston, Ill.. b.: July 18, 1899, Reading, Pa.. Married. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1930; M.S., Ia. State Coll., Ames, Ia., 1934; Ed.D., Pa. State Coll., State Coll., Pa., 1940. Exp.: Tchr.,

Printing, Jr. H. Schl., Sr. H. Schl., Voc. Schl., Stoughton, Wis., 1923-26; Tchr., Printing, Sr. H. Schl., Jr. H. Schl., West Allis, Wis., 1926-27; Tchr., Printing, Sr. H. Schl., Voc. Schl., Adult Even. Schl., Madison, Wis., 1926-30; Instr., Ind. Arts, Eastern Ill. State Coll., Charleston, Ill., 1930---; Various Civil Service Positions, 1943-46. Publs.: Various articles in "I.A.V.E." and other publs.; U.S. Office of Edn., Voc. Div. Bull. No. 233, Training Schl. Bus Drivers, Co-author. Mem.: N.E.A.; A.V.A.; Ill. Edn. Assn.; Ill. Ind. Edn. Assn.; Eastern Ill. Schl. Masters' Club; Ind. Edn. Roundtable No. Twenty-two, Ill.; Phi Delta Kappa; Iota Lambda Sigma; Epsilon Pi Tau, Trustee, Iota Chapt.. Areas of Splty.: Printing; Drafting. Avoc. Ints.: Gardening; Reading; Home Work Shop.

LANE, James S., Assoc. Prof. of Ind. Arts, Eastern Wash. Coll. of Edn., Cheney, Wash.. b.: June 4, 1884, Denbigh, Ontario, Canada. Married, three children. Edn.: B.S., Ore. State Coll., 1924; M.S., ibid, 1940. Exp.: Tchr., Ind. Arts, H. Schl., 1908-23; Eastern Wash. Coll. of Edn., 1923---. Mem.: N.A.I.T.T.; Inland Empire Tchrs. Edn. Assn., Ind. Arts Sect.; Wash. Ind. Arts Assn.; Wash. Edn. Assn.; Epsilon Pi Tau. Areas of Splty.: Woodwork; Sheet Metal; Foundry; Pattern Making. Travel: U.S.; Canada; Europe. Avoc. Ints.: Photo.; Collector of Wood Samples; Collector of Old Historical Nails.

LANE, Tarsus D., Asst. Prof., Va. State Coll., Petersburg, Va.. b.: Jan. 16, 1906, Quincy, Fla.. Married. Edn.: B.S., Hampton Inst., 1950; M.Ed., Pa. State Coll., 1952. Exp.: Tailor, 1928-46; Va. State Coll., 1946---. Mem.: A.V.A.; Old Dominion Voc. Assn.; Va. Tchrs. Assn.; Custom Tailor's and Designer's Assn. of Amer.; Phi Delta Kappa. Areas of Splty.: Tailoring; Voc. Ind. Edn.; Voc. Guidance. Travel: Canada; England; Germany; Poland; U.S.. Avoc. Ints.: Tailoring; Voc. Guidance; Voc. Edn..

LARKIN, Eugene D., Instr., Kan. State Tchrs. Coll., Pittsburg, Kan.. b.: June 27, 1921, Minneapolis, Minn.. Married, two children. Edn.: B.A., Univ. of Minn., 1946; M.A., ibid, 1949. Exp.: Asst. to the Dir., Univ. of Minn., Gallery of Art, 1945; Tchr. Asst., Univ. of Minn., 1946-47; Instr., Kan. State Tchrs. Coll., 1948---. Mem.: Coll. Art Assn.. Areas of Splty.: Painting; Design.

LARSEN, R. (l.i.), B.S., Instr., Dept. of Ind. Arts, Mich. State Normal Coll., Ypsilanti, Michigan.

LARSON, A. V., Prof., Chair., Div. of Practical Arts, Neb. State Tchrs. Coll., Peru, Neb.. b.: May 16, 1890, Arapahoe, Neb.. Married, three children. Edn.: B.S., Univ. of Neb., Lincoln, Neb., 1914; M.A.,

Univ. of Minn., Minneapolis, Minn., 1929. Exp.: Instr., Rural Schls., 1908-10; Instr., H. Schl., 1914-26; Neb. State Tchrs. Coll., Peru, Neb., 1926—. Mem.: A.A.I.A.T.; A.C.I.A.T.E.; A.V.A.; N.E.A.; Neb. Edn. Assn.; Neb. Ind. Arts Assn.; Neb. Voc. Assn.; Epsilon Pi Tau; Phi Delta Kappa. Areas of Splty.: Woodwork; Mech. Drawing. Travel: U.S.; Canada. Avoc. Ints.: Activities Related to Ind. Arts; Fishing.

LARSON, Raymond H., Chair., Dept. of Ind. Arts, State Tchrs. Coll., St. Cloud, Minn.. b.: Aug. 10, 1910, Wolback, Neb.. Married, three children. Edn.: B.S., Univ. of Neb., 1937; M.A., Univ. of Minn., 1939; Ph.D.. Exp.: Tchr., Pub. Schls., Neb. and Ia., 1931-38; State Tchrs. Coll., St. Cloud, Minn., 1940-41, 1946—; Univ. of Minn., Univ. H. Schl., 1941-42; U.S.A.A.F., 1942-46. Mem.: A.V.A.; N.E.A.; A.A.U.P.; N.A.I.T.T.; Amer. Fed. of Tchrs.; Miss. Valley Ind. Arts Conf.; Minn. Edn. Assn.; A.C.I.A.T.E.. Areas of Splty.: Teach All Areas in Ind. Arts. Travel: U.S.. Avoc. Ints.: Const. and Repair of Household Appliances and Children's Toys; Hunting; Fishing.

LASCOE, O. D., Assoc. Prof. of Mfg. Processes, Purdue Univ., W. Lafayette, Indiana. b.: June 25, 1912, Gary, Indiana. Married, one child. Edn.: B.A., Western Ky. State Coll., 1938; M.S., Purdue Univ., 1945. Exp.: U.S. Steel Corp., 1932-37; Supv., Ind. Arts, Barrett Manual Training Schl., Ky., 1938-39; Supv., Metal Work, Eastern Ky. State Coll., 1939-42; Supv., Mach. Tool Lab. and Gen. Shop Lab., Purdue Univ., 1942—. Publs.: Contbd. to "Steel Magazine" and "American Machinist". Mem.: A.S.E.E.; N.E.A.; Iota Lambda Sigma; Pi Kappa Phi. Areas of Splty.: Metal Work; Gen. Shop; Ind. Safety and Schl. Shop Safety; Shop Equip. and Maint.. Avoc. Ints.: Art Metal; Woodwork.

LASH, H. E. (l.i.), M.S., Asst. Prof., Dept. of Ind. Edn., Tenn. A. and I. State Coll., Nashville, Tennessee.

LEARY, John S., Instr., Teachers Coll., Columbia Univ., N.Y., N.Y.. b.: Oct. 16, 1916, N.Y., N.Y.. Edn.: B.F.A., Ohio State Univ., 1949; M.A., ibid, 1950. Exp.: Instr., Ceramics, Teachers Coll., Columbia Univ., 1950—. Areas of Splty.: Ceramics; Design.

LEE, O. H. (l.i.), B.S., Instr., Ind. Arts Dept., Walla Walla Coll., College Place, Washington.

LEFTWICH, Rodney L., Prof. of Ind. Arts, Western Carolina Tchrs. Coll., Cullowhee, N.C.. b.: Jan. 22, 1917, Columbiana, Ala.. Married, two children. Edn.: B.S., Geo. Peabody Tchrs. Coll., Nashville, Tenn., 1938; M.A., ibid, 1941; Work. on Doctorate. Exp.: Instr., Ind. Arts, H. Schls., Greenville, N.C. and Nashville, Tenn., 1938-42, Ferguson, Mo.,

1945-47; U.S.N.A.T.T.S., Norman, Okla., 1942-45; Prof. of Ind. Arts, Western Carolina Tchrs. Coll., Cullowhee, N.C., 1947---. Mem.: N.E.A.; N.C. Ind. Arts Assn.: N.A.I.T.T.; Kappa Pi Kappa. Areas of Splty.: Drawing; Woodwork; Metalwork; Crafts. Travel: U.S.. Avoc. Ints.: Mountain Crafts; Indian Arts and Crafts.

LEMMIE, Booker, Asst. Instr., Lincoln Univ., Jefferson City, Mo.. b.: Dec. 19, 1925, Kirkwood, Mo.. Married. Edn.: B.S., Lincoln Univ., 1948. Exp.: Tchr., 1948---. Mem.: Mo. State Tchrs. Assn.. Areas of Splty.: Ind. Arts Design; Critic Tchr.; Ornamental Metal. Travel: Canada; U.S.. Avoc. Ints.: Oil Painting.

LEWELLEN, M. T. (l.i.), M.E., Assoc. Prof., Dept. of Ind. Arts and Ind. Edn., Ariz. State Coll., Flagstaff, Arizona.

LEWIS, B. (l.i.), Instr., Ind. Arts Dept., Northern Oklahoma Junior Coll., Tonkawa, Oklahoma.

LEWIS, John W., Sr. Instr., Hampton Inst., Hampton, Va.. b.: Mar. 23, 1901, Holland, Va.. Married, two children. Edn.: B.S., Bradley Univ., Peoria, Ill., 1939; Grad. Study, Wayne Univ.. Exp.: Instr., Auto Mechs., Dover State Coll., Dover, Del., 1925-29; Instr., Auto Mechs., St. Paul Polytechnic Inst., Lawrenceville, Va., 1929-43; Sr. Instr., Auto Mechs., Hampton Inst., Hampton, Va., 1943---. Mem.: Va. Tchrs. Assn.; Old Dominion Voc. Assn.; A.V.A.. Area of Splty.: Auto Mechanics. Travel: U.S.. Avoc. Ints.: Arts and Crafts.

LEWIS, William H., Head, Dept. of Ind. Arts, Tenn. Polytechnic Inst., Cookeville, Tenn.. b.: Mar. 7, 1914, Hickory, Okla.. Married, one child. Edn.: B.S., Okla. A. & M. Coll., Stillwater, 1939; M.S., ibid, 1950; Other Grad. Study. Exp.: Asst. State Shop Supv., N.Y.A., Okla., 1939-41; Head, Dept. of Ind. Arts, Tenn. Poly. Inst., Cookeville, 1941---. Mem.: Iota Lambda Sigma; Phi Delta Kappa. Areas of Splty.: Metalwork; Educational Admin.. Travel: England; France; Belgium; Germany. Avoc. Ints.: Boy Scout Work; Hobby Crafts; Travel.

LILLEBOE, Errol (l.i.), Instr., Ind. Edn. Dept., State Normal and Ind. Coll., Ellendale, N.D.

LILLY, G. T., Asst. Prof., Murray State Coll., Murray, Ky.. b.: Aug. 27, 1916, Henderson, Ky.. Married, two children. Edn.: B.S., West. Ky. State Coll., 1942; M.A., ibid, 1949. Exp.: Instr., Ind. Arts, Alexander Graham Jr. H. Schl., Charlotte, N.C., 1946; Instr., Ind. Arts, Alcoa H. Schl., Alcoa, Tenn., 1946-48; Asst. Prof. of Ind. Arts, Murray State Coll., 1948---. Mem.: A.I.A.A.; K.I.A.A.; A.C.I.A.T.E.; Ky. Assn. of Ind. Arts Tchr. Trainers. Areas of Splty.: Woodwork; Eng.

Drawing. Travel: Pacific Ocean and Asiatic Ports; U.S.. Avoc. Ints.: Furniture Building.

LIPSCOMBE, Edward T., Instr., Hampton Inst., Hampton, Va.. b.: Mar. 15, 1913, Asheville, N.C.. Married, one child. Edn.: Diploma, Hampton Inst., Hampton, Va., 1937; B.S., ibid, 1948. Exp.: Newspaper Printer, 1934-39; Instr., Printing, Hampton Inst., Hampton, Va., 1939---. Mem.: Va. Tchrs. Assn.; Old Dominion Voc. Assn.. Areas of Splty.: Composing Room Operations; Linotype Operation and Instruction. Avoc. Ints.: Photo..

LOATS, Henry Andrew, Asst. Prof., Ball State Tchrs. Coll., Muncie, Indiana. b.: May 23, 1913, Wright Co., Ia.. Married, two children. Edn.: B.S., Ia. State Tchrs. Coll., Cedar Falls, Ia., 1938; M.A., The State Univ. of Ia., Ia. City, Ia., 1942; Ph.D., Ohio State Univ., Columbus, Ohio, 1950. Exp.: Farming, 1928-35; Tchr., Ia. Pub. Schls., 1938-41; Tchr., Ohio Pub. Schls., 1941-43; U.S.N., 1943-46; Ball State Tchrs. Coll., 1946--. Publs.: Ph.D. Dissertation, "A Program of Ind. Arts for the Preparation of Elem. Tchrs." Mem.: A.A.U.P.; A.I.A.A.; N.A.I.T.T.; A.V.A.; N.E.A.; Indiana Ind. Edn. Assn.; Indiana Tchrs. Assn.; Muncie Tech. Soc.; Phi Delta Kappa; Epsilon Pi Tau; Ind. Arts Clubs. Areas of Splty.: Gen. Shop; Guid. and Counseling. Travel: U.S.; Hawaii; Islands of the S. Pacific. Avoc. Ints.: Woodwork; Metalwork; Ceramics; Gen. Crafts; Photo..

LOCKMAN, Rumford T., Assoc. Prof., Agri., Mech., and Normal Coll., Pine Bluff, Ark.. b.: Oct. 16, 1919, Stonega, Va.. Married, two children. Edn.: B.S., State Tchrs. Coll., Cheyney, Pa., 1946; M.A., Tchrs. Coll., Columbia Univ., 1948; Other Study at Bradley Univ., Peoria, Ill.. Exp.: Assoc. Prof., Agri., Mech., and Normal Coll., Pine Bluff, Ark., 1949---.; Arts and Crafts Specialist, Manhattanville Neighborhood Center, N.Y.C., 1948-49; U.S. Army, 1942-45. Mem.: N.E.A.; A.I.A.A.; A.V.A.; Phi Delta Kappa. Areas of Splty.: Woodwork; Mech. Drawing; Art Metalwork; Jewelry; Decorating. Travel: Morocco; Algeria; Italy; France; Germany. Avoc. Ints.: Jewelry Design and Construction; Athletics.

LOGAN, L. G. (l.i.), A.B., Div. of Ind. Arts, Cheyney State Tchrs. Coll., Cheyney, Pennsylvania.

LOMBARDI, C. (l.i.), B.S., Instr., Dept. of Ind. Arts, Connors State Agricultural Coll., Warner, Oklahoma.

LONDON, H. H., Prof., Ind. Arts, Univ. of Mo., Columbia, Mo.. b.: 1900, Texas. Married, three children. Edn.: B.S., North Texas State

Coll., 1924; M.A., Univ. of Mo., 1929; Ph.D., Ohio State Univ., 1934. Exp.: Ind. Arts, Muskogee, Okla., 1920; Ind. Edn., North Texas Agri. Coll., Arlington, Texas, 1923-26; Ind. Edn., W. Texas State Coll., Canyon, 1926-27; Ind. Edn., N. Texas State Coll., Denton, 1927-28, 1929-31; Ind. Arts, Ohio State Univ., 1932-34; Dist. Edn. Advisor, C.C.C., Texas, 1934-35; Chair., Div. of Fine and Appld. Arts, Ga. Tchrs. Coll., Collegeboro, 1935-37; Prof., Ind. Edn., Miss. State Coll., 1937-38; Asst. Prof., Assoc. Prof., Prof. Ind. Edn., Univ. of Mo., Columbia, Mo., 1938---. Publs.: Numerous Mag. Articles and Bulletins. Mem.: A.A.U.P.; N.A.I.T.E.; A.I.A.A.; A.V.A.; Mo. Voc. Assn.; Mo. Ind. Edn. Assn.; Mo. State Tchrs. Assn.; Mo. Assn. for Adult Edn.; Phi Delta Kappa; N.E.A.. Area of Splty.: Profnl. Courses; Research. Travel: U.S.; Mexico; Canada. Avoc. Ints.: Stock Farming; Bird Hunting.

LOPEZ, Daniel C., Instr. of Ind. Arts, San Jose State Coll., San Jose, Calif.. b.: Dec. 4, 1915, New Almaden, Calif.. Married, one child. Edn.: B.A., San Jose State Coll., San Jose, Calif., 1940; Grad. Study. Exp.: Tchr., Los Angeles City Schls., Calif., 1940-44, 1946-47; Tchr., Sacramento Unified Schl. Dist., Calif., 1947-49; Instr., San Jose State Coll., San Jose, Calif., 1949---. Mem.: Calif. Ind. Edn. Assn.; Epsilon Pi Tau; Kappa Delta Phi. Area of Splty.: Graphic Arts. Travel: Pacific Theater. Avoc. Ints.: Gardening; Farming.

LOUIS, Russell G., Asst. Prof. of Ind. Arts Edn., Va. Poly. Inst., Blacksburg, Va.. b.: Aug. 15, 1917, Detroit, Mich.. Married, two children. Edn.: B.S., State Tchrs. Coll., Oswego, N.Y., 1940; Grad. Study, Cornell Univ.. Exp.: Tchr., Pub. Schls., 1940-42, 1946-47; Officer, U.S.N., 1942-46; Asst. Prof. of Ind. Arts Edn., Va. Poly. Inst., Blacksburg, 1947---. Publs.: Contbd. to "I.A.V.E.". Mem.: A.V.A.; A.I.A.A.; A.C.I.A.T.E.; N.A.I.T.T.; Va. Edn. Assn.; Peninsula Ind. Edn. Club; Blue Ridge Ind. Edn. Club; Va. Voc. Assn., Sectry., 1949 and 1950; Phi Delta Kappa; Iota Lambda Sigma. Areas of Splty.: Gen. Metals; Gen. Woods; Leathercraft; Plastics; Home Mechs.. Avoc. Ints.: Hunting; Fishing; Reproducing Antique Furniture.

LOVE, G. B. (l.i.), B.S., Asst. Prof., Ind. Edn. Dept., Tuskegee Inst., Tuskegee Inst., Ala..

LOVE, M. (l.i.), B.S., Instr., Ind. Edn. Dept., Tuskegee Inst., Tuskegee Inst., Alabama.

LOWMAN, D. R., (l.i.), M.A., Asst. Prof. and Hd., Ind. Arts Dept., Ohio Northern Univ., Ada, Ohio.

LUBBERS, J. Max, Instr. of Ind. Arts, Colo. State Coll. of Edn., Greeley, Colo.. b.: Feb. 29, 1920, Monticello, Ill.. Married. Edn.:

B.A., Colo. State Coll. of Edn., Greeley, Colo.; M.A., ibid. Mem.: Delta Phi Delta; Phi Delta Kappa; A.C.I.A.T.E.. Areas of Splty.: Bookbinding; Plastics; Leather Work. Avoc. Ints.: Leather Craft; Hunting.

LUCE, Lawrence W., Asst. Prof. of Ind. Arts, San Diego State Coll., San Diego, Calif.. b.: Sept. 15, 1899, Fort Smith, Ark.. Married. Edn.: B.S., Ill. Wesleyan Univ., 1923; M.S., Iowa State Coll., Ames, 1931; Other Grad. Study. Exp.: Ind. Arts Tchr., Pub. Schls., 1923-33, 1936-42, 1948-49; Life Ins., 1933-34; Employment Counsel, U.S.E.S., 1934-35; Edn. Officer, U.S.N.R., 1942-46; Voc. Counselor, San Diego City Schls., 1946-48; Ind. Arts Dept., San Diego State Coll., 1949---. Publs.: Contbd. to "I.A.V.E.". Mem.: A.V.A.; Calif. Ind. Edn. Assn.; Southern Ill. Man. Arts Assn., Pres., 2 yrs.; Man. Arts Sec., Ill. State H. Schl. Tchrs. Assn.. Areas of Splty.: Drafting; Woodwork; Automotives. Travel: Azores. Avoc. Ints.: Model Railroading, H. O. gauge; Music; Motoring.

LUEHRING, Arthur H., (retired) Assoc. Prof., Indiana State Tchrs. Coll., Terre Haute, Indiana. b.: May 14, 1883, Milwaukee, Wis.. Married, one child. Edn.: B.S., Indiana State Tchrs. Coll., Terre Haute, 1931; M.S., ibid, 1934. Exp.: Indiana State Tchrs. Coll., Terre Haute, 36 yrs.; Tool and Die Maker, 1900-14. Mem.: Indiana Ind. Edn. Assn.; Indiana State Tchrs. Coll.; Epsilon Pi Tau. Areas of Splty.: Mach. Shop Practice; Forge and Foundry Practice; Welding. Avoc. Ints.: Church Work; Travel; Fishing; Hunting.

LUEY, Oliver C., Assoc. Prof. of Ind. Arts, Kent State Univ., Kent, Ohio. b.: Jan. 14, 1915, Columbus, Wis.. Married, two children. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1939; M.Ed., Wayne Univ., Detroit, Mich., 1947. Exp.: Tchr., Gen. Shop, Jr. H. Schl., Huntington, W. Va., 1939-41; Tchr., Gen. Shop, Sr. H. Schl., Antigo, Wis., 1941-42; Instr., U.S.A.A.C., Chanute Field, Ill., 1942-44; Tchr., Gen. Metals, H. Schl., Hamtromob, Mich., 1945-47; Assoc. Prof. of Ind. Arts, Kent State Univ., Kent, Ohio, 1947---. Mem.: A.V.A.; N.A.I.T.T.; Northeastern Ohio Tchrs. Assn.; Phi Delta Kappa; Mu Sigma Pi; Epsilon Pi Tau. Areas of Splty.: Aviation; Electricity.

LYANS, F. W. (l.i.), Asst. Prof., Dept. of Ind. Arts, Univ. of Calif., Santa Barbara Coll., Santa Barbara, California.

LYELL, Cowan, (l.p.) Instr. of Ind. Arts, Middle Tenn. State Coll., Murfreesboro, Tenn.. b.: Aug. 24, 1920, Lyles, Tenn.. Married, one child. Edn.: B.S., Middle Tenn. State Coll., Murfreesboro, Tenn., 1950. Exp.: Instr., Aviation, Murfreesboro, Tenn., 1946-47. Mem.:

A.I.A.A.; Tenn. Edn. Assn.; Tenn. Voc. Assn.; Middle Tenn. Ind. Arts Roundtable Association. Areas of Splty.: Metalwork; Crafts; Plastics. Travel: Mexico; Canada. Avoc. Ints.: Crafts; Sports.

MABINS, E. (l.i.), B.S., Instr., Dept. of Ind. Edn., Tenn. A. and I. State Coll., Nashville, Tennessee.

MacLEAN, C. Blair, Assoc. Prof. of Ind. Arts, San Jose State Coll., San Jose, Calif.. b.: Sept. 30, 1894, Bellville, Ont., Canada. Married, five children. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1931; M.A., Univ. of Mich., 1935; Other Grad. Study. Exp.: Tchr. Edn., 30 yrs.; Pub. Schl. Teaching, 1 yr.; Coord., Bethlehem Steel Shipyard, 1918-19; Draftsman, 1919-20. Publs.: Handbook for Tchr. Trainers. Mem.: Calif. Ind. Edn. Assn.; Epsilon Pi Tau; Phi Delta Kappa; Blue Key, Advisor. Areas of Splty.: Drafting; Guidance. Travel: Northern Hemisphere. Avoc. Ints.: Amateur Radio, W6DY.

MacQUARRIE, W. D. (deceased) (l.i.), Ph.D., Assoc. Prof., Ind. Arts Edn., Long Beach State Coll., Long Beach, California.

MAINOUS, Clayton G., Asst. Prof. of Ind. Edn., La. State Univ., Baton Rouge, La.. b.: Jan. 1, 1896, Conkling, Ky.. Married, one child. Edn.: B.A., Eastern Ky. State Tchrs. Coll., 1926; M.S., La. State Univ., Baton Rouge, La., 1944. Exp.: Tchr., Ind. Arts, Dir. of Athletics, Jr. H. Schl., Baton Rouge, La., 1926-36; Instr., Ind. Edn., 1936---. Mem.: A.V.A.; A.I.A.A.; La. Voc. Assn.; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Woodwork; Mech. Drawing; Upholstery. Avoc. Ints.: La. State Chair. of Square Dancing, State Rep., First International Square Dance Festival, Chicago, 1950.

MALEK, Paul, Instr., N.Y. Univ., Wash. Square, N.Y.C.. b.: Dec. 13, 1921, Little Falls, N.Y.. Edn.: B.S., Oswego State Tchrs. Coll., 1945; M.A., N.Y. Univ., 1947; Cand. for Ed.D., N.Y. Univ.. Exp.: Tchr. Ind. Arts, Wappinger Central Schl., Wappinger Falls, N.Y., 1945-47; Instr., N.Y. Univ., 1947---. Mem.: Epsilon Pi Tau; Phi Delta Kappa; A.I.A.A.; N.E.A.; N.Y.S. Voc. and Prac. Arts Assoc.; Dutchess Co. Voc. and Ind. Arts Club. Area of Splty.: Comp. General Shop. Avoc. Ints.: Diversified.

MALEY, Donald, Asst. Prof. of Ind. Edn., Univ. of Md., Coll. Park, Md.. b.: Jan. 6, 1918, Buena Vista, Pa.. Edn.: B.S., State Tchrs. Coll., Calif., Pa., 1943; M.A., Univ. of Md., 1947; Ph.D., ibid, 1949. Exp.: Fort Pitt Steel Casting Co., McKeesport, Pa., 1936-40; Officer, U.S.N., 1943-46; Tchr., Jr. and Sr. H. Schl., 1942-43; Dir., Voc. Shop Prog., U.S.N. Hosp., Chelsea, Mass., 1945-46; Univ. of Md., 1946---. Pubs.: Ph.D. Dissertation, Student Teaching in Ind. Arts: A Study of

Selected Problems with Recommendations for Their Treatment; Contbd. to various mags.. Mem.: A.I.A.A.; A.C.I.A.T.E.; A.V.A.; Md. Voc. Assn.; Epsilon Pi Tau; Iota Lambda Sigma; Phi Delta Kappa; Phi Sigma Pi. Areas of Splty.: Stud. Teaching in Ind. Arts; Teaching Aids and Materials Development; Metalwork; Drawing. Travel: U.S.; Pacific Area. Avoc. Ints.: Music; Photo.; Boating; Developing Teaching Materials.

MANSFIELD, R. T., Instr., The Ohio State Univ., Columbus, Ohio. b.: Oct. 8, 1901, Defiance, Ohio. Married, two children. Edn.: B.S., The Ohio State Univ., Columbus, Ohio, 1944; M.A., ibid, 1946; Ph.D., ibid, 1951. Exp.: Pub. Schls. of Ohio, 17 yrs.; Ind. Exp., 8 yrs.; The Ohio State Univ., Columbus, 7 yrs.. Mem.: A.A.U.P.; N.E.A.; A.I.A.A.; Ohio Edn. Assn.; Ohio Ind. Arts Assn.; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Arts and Crafts; Graphic Arts; Woodwork; Occup. Therapy Shop Courses. Avoc. Ints.: Reading; Hiking; Decorating; Mechanics.

MANZER, Emerson Wm., Instr., State Tchrs. Coll., Platteville, Wis.. b.: Aug. 18, 1894, Beaver Dam, Wis.. Married, three children. Edn.: B.S., State Tchrs. Coll., Oshkosh, Wis., 1918; M.S., Univ. of Wis., Madison, 1927. Exp.: Asst. Instr., State Tchrs. Coll., Oshkosh, Wis., 1918; W. Allis Voc. Schl., 1919-20; S. Milwaukee H. Schl., 1920-21; Cent. H. Schl., Madison, Wis., 1921-23; John Burroughs Schl., Clayton, Mo., 1924-25; Univ. of Wis., Ext. Div., 1926-27; Bronxville Schls., Bronxville, N.Y., 1927-42; E. H. Schl., Madison, Wis., 1942-45; Asst. Dir., Jr. Achievement, Wis., 1945-46; Putnam Picture Frame Co., Harvard, Ill., 1946-48; State Tchrs. Coll., Platteville, Wis., 1948---; Pract. Exp. in Print Shop; Pattern Shop; Mach. Shop; Drafting; Sheet Metal. Publs.: Contbd. to "I.A.V.E."; "Popular Home Craft"; "Home Craftsman"; Others. Mem.: A.I.A.A.; N.E.A.; Wis. Ind. Arts Assn.; State Tchrs. Assn.; Wis. Graphic Arts Assn.. Areas of Splty.: Art Metal; Graphic Arts; Mech. Drawing. Travel: U.S.. Avoc. Ints.: Development of Games; Creation of New Ideas For The Promotion of Ind. Arts, Design of Projects.

MARSCHIK, Frank A., Assoc. Prof. of Ind. Arts, Kent State Univ., Kent, Ohio. b.: May 13, 1913, Benld, Ill.. Married. Edn.: B.Ed., Ill. State Norm. Univ., 1941; M.S., Univ. of Ill., 1947; Other Grad. Study. Exp.: Ind. Exp., 1929-37; Tchr., Pub. Schls., Metropolis, Ill., 1941; Area Supv., Nat. Defense Training, Wood River, Ill., 1941-42; Tchr., Ind. Arts Mach. Shop, Kent State Univ., Kent, Ohio, 1947---. Mem.: A.I.A.A.; A.V.A.; N.A.I.T.T.; Northeastern Ohio Tchrs. Assn.; Phi Delta Kappa; Kappa Delta Pi; Epsilon Pi Tau. Area of Splty.: Mach.

Shop. Travel: U.S.; Mexico; Canada ;Hawaii; Okinawa; Japan. Avoc. Ints.: Reading; Gardening.

MARSHALL, Gilbert A., Instr., Univ. of Vermont and State Agri. Coll., Burlington, Vermont. b.: Apr. 10, 1920, Lancaster, N.H.. Married, four children. Edn.: B.S. in M.E., Northeastern Univ., 1943. Exp.: Apprentice Mach., 1940-43; Draftsman and Tool Designer, 1943-44, 1946-47; U.S.N.R., 1944-46; Instr., Mach. Shop, Time and Motion Study, and Factory Planning, Univ. of Vt., Burlington, 1947---. Publs.: Contbd. to "Machinery". Areas of Splty.: Machine Tools; Manu. Methods; Ind. and Tool Engineering; Engineering Drawing. Travel: Philippine Is.. Avoc. Ints.: Handicrafts; Singing.

MARSHALL, Harry E., Instr., E. Tenn. State Coll., Johnson City, Tenn.. b.: Mar. 5, 1924, Ft. Smith, Ark.. Married. Edn.: B.S., E. Tenn. State Coll., 1949; M.S., Bradley Univ., Peoria, Ill., 1950. Exp.: Air Craft Welder, 1942; Seismograph Recorder, 1945-46; Instr., Ind. Arts, E. Tenn. State Coll., 1950---. Mem.: Tenn. Edn. Assn.; E. Tenn. Edn. Assn.; Phi Beta Chi; Grad. Club, Bradley Univ.. Areas of Splty.: Driver Edn.; Mach. Shop; Auto. Mechanics; Woodwork. Travel: U.S.; Trip around the world, Southern Hemisphere. Avoc. Ints.: Motor Boating; Outdoor Sports.

MARSHALL, J. L. (l.i.), B.S., Assoc. Prof. and Hd., Ind. Edn., The Clemson Agricultural Coll., Clemson, South Carolina.

MARTIN, Arthur I., Dir., Ind. Arts, Gorham State Tchrs. Coll., Gorham, Me.. b.: Aug. 3, 1908, Whitinsville, Mass.. Married. Edn.: B.S., State Tchrs. Coll., Fitchburg, Mass., 1933; M.Ed., ibid, 1947. Exp.: Tchr., Woodwork, Mech. Draw., and Asst. to Supt., Holden, Mass., 1930-31; Tchr., Woodwork, Ungraded Schl., E. Orange, N.J., 1931-32; Tchr., Science and Hygiene, Grammar Schl., Whitinsville, Mass., 1934-35; Tchr., Woodwork and Mech. Draw., H. Schl., Montpelier, Vt., 1935-42; Instr., Aircraft Instruments, A.A.F., 1942-43; Jr. Aviation Consultant, State Edn. Dept., Albany, N.Y., 1944-47; Dir., Ind. Arts, state Tchrs. Coll., Gorham, Me., 1947---. Publs.: Assisted in writing several articles on Jr. Aviation. Mem.: N.E.I.A.T.A., Sectry., 1947; Me. Ind. Arts Assn.; N.E.A.; A.V.A.; A.I.A.A.; N.A.I.T.T.; Gorham Tchrs. Assn.; Epsilon Pi Tau. Areas of Splty.: Woodwork; Drafting; Gen. Shop. Avoc. Ints.: Profnl. Magician; Profnl. Photography.

MARTIN, D. W., Asst. Prof., Prairie View Agri. and Mech. Coll., Prairie View, Texas. b.: Aug. 31, 1890, La Grange, Texas. Married, five children. Edn.: B.S., Prairie View A. & M. Coll.. Exp.: Electrician, 1918; Ind. Arts Tchr. Edn., 26 yrs. Mem.: State Tchrs. Assn.

Area of Splty.: Electricity. Travel: Mexico. Avoc. Ints.: Electrical Wiring; Telephone Repair.

MARTIN, L. W., Instr., Prairie View Agri. and Mech. Coll., Prairie View, Texas. b.: Jan. 8, 1920, Jeanerette, La.. Married, two children. Edn.: Certif. in Masonry, 1947. Exp.: Construction Trades, 1946-48; Prairie View A. & M. Coll., 1950---. Mem.: N.A.I.T.T.; Tchrs. State Assn. of Texas. Area of Splty.: Masonry. Travel: England; France; Belgium; Germany. Avoc. Ints.: Woodcraft.

MASENGILL, John P., Asst. Prof., Fla. State Univ., Tallahassee, Fla.. b.: Sept. 25, 1914, White Pine, Tenn.. Married, one child. Edn.: B.S., E. Tenn. State Coll., Johnson City, 1940; M.A., Geo. Peabody Coll. for Tchrs., Nashville, Tenn., 1946; M.Ed., ibid, 1947; Ed.D., Bradley Univ., Peoria, Ill., 1951. Exp.: Ind. Arts Tchr., Pub. Schls., 1940-42; Instr., Ind. Arts, Geo. Peabody Coll. for Tchrs., Nashville, Tenn., 1947-51; Fla. State Univ., Tallahassee, 1952---. Mem.: N.E.A.; Tenn. Edn. Assn.. Areas of Splty.: Wood; Metal; Tech. Draw.. Travel: Ireland; France; Germany; Luxembourg; Belgium; Holland.

MASON, William H., Instr., Purdue Univ., W. Lafayette, Indiana. b.: Jan. 2, 1904, Aberdeen, Miss.. Married, one child. Edn.: B.S., Eastern Ky. State Coll., 1943; M.S., Purdue Univ., 1947. Exp.: U.S. Army, 1944-45; Teaching, 1947---. Publs.: Electrical Shop Practice, assoc. author. Mem.: Iota Lambda Sigma. Areas of Splty.: Gen. Shop; Woodwork; Arts and Crafts. Avoc. Ints.: Woodwork; Sports; Flying.

MATALA, Raymond E., Instr., Ind. Arts., Ia. State Tchrs. Coll., Cedar Falls, Ia.. b.: Aug. 30, 1912, Virginia, Minn.. Married. Edn.: B.S., Univ. of Minn., 1935; M.A., ibid, 1950. Exp.: Va. Jr. Coll., Va., Minn., 1935-39; Bemidji H. Schl., Bemidji, Minn., 1940-42; Ia. State Tchrs. Coll., 1948---. Mem.: Epsilon Pi Tau; Phi Delta Kappa; Iota Alpha Chi. Areas of Splty.: Radio; Communications; Gen. Shop. Avoc. Ints.: Amateur Radio; Natural and Physical Science.

MAY, Stanley W., Dir. of Ind. Arts, Northwestern State Coll., Alva, Okla.. b.: July 27, 1893, Tomahawk, Wis.. Married, two children. Edn.: A.B., Northwestern State Coll., Alva, Okla., 1922; M.A., Colo. Coll. of Edn., Greeley, 1935. Exp.: Tchr., Pub. Schls., 1914-21; Northwestern State Coll., 1921---. Mem.: A.A.U.P.; Okla. Edn. Assn.; Okla. Ind. Arts Assn.; N.E.A.; Okla. State Advisory Comm. on Ind. Arts. Areas of Splty.: Drafting; Woodwork; Metalwork. Travel: Canada; Mexico; U.S.. Avoc. Ints.: Home Workshop.

MAYER, Conrad J., (l.p.) Asst. Prof., Ind. Arts, Minot State Tchrs. Coll., Minot, N.D.. b.: July 2, 1920, Racine, Wis.. Married, one child.:

Edn.: B.S., The Stout Inst., 1947; M.S., ibid, 1950. Exp.: Dept. Head, Tech. Arts Curr., Stratford H. Schl., Stratford, Conn., 1947-50; Instr., Minot State Tchrs. Coll., 1950---. Mem.: N.D. Edn. Assn.. Area of Splty.: Gen. Metals. Travel: U.S.. Avoc. Ints.: Football; Baseball; Tennis; Coin Collecting.

MAYS, Arthur Beverly, Prof. of Ind. Edn., Emeritus, Univ. of Ill.; Home Address, Huntsville, Texas. b.: July 25, 1887, Round Rock, Texas. Married, 1911, to Mary Alice Wright; one child Helen Mays (deceased). Edn.: Univ. of Texas, 1904-05; Bradley Polytechnic Inst., summers 1906-09; Columbia Univ., 1907-08; George Peabody Coll., B.S., 1919; M.A., ibid., 1924. Exp.: Tchr. of Ind. Arts, Marlin, Texas, H. Schl., 1905-06; Dallas, Texas, 1906-08; Ft. Worth, Texas, 1908-09; State Tchrs. Coll., Huntsville, Texas, 1909-20; Dir., Voc. Trng., U.S. Army, Camp Travis, 1920-21; Univ. of Ill., Asst. Prof., Ind. Edn., 1921-22; Assoc. Prof. 1922-32; Prof. 1932-52; retired, Sept. 1952. Publs.: Co-author, Content and Methods of Ind. Arts, 1924, Ind. Arts in Modern Edn., 1934, Basic Units in Mechanical Drawing (2 vols.), 1933, School Shop Adm.; Author, The Problem of Ind. Edn., 1927, Introduction to Voc. Edn., 1930, Principles and Practices of Voc. Edn., 1948, Essentials of Ind. Edn., 1952; Numerous research reports, brochures, and mag. articles. Mem.: Ill. Voc. Assn., former pres.; A.V.A., Editorial Bd., Research Com., V-pres. for Ind. Arts; Phi Delta Kappa; Kappa Delta Pi; Kappa Phi Kappa; Iota Lambda Sigma, honorary life member.

MAYS, Jesse T., Head, Dept. of Ind. Arts, Morehead State Coll., Morehead, Ky.. b.: Barbourville, Ky.. Married, one child. Edn.: B.A., Union Coll., Barbourville, Ky.; M.A., Peabody Coll., Nashville, Tenn.. Exp.: Prin., H. Schl., 6 yrs.; Morehead State Coll., 1933---. Mem.: Ky. Edn. Assn.; Manual Arts Conf.; Epsilon Pi Tau; Phi Delta Kappa. Travel: U.S.; Canada.

McCAIN, Jerry C., Asst. Prof., N. Tex. State Coll., Denton, Tex.. b.: Oct. 27, 1917, Gainesville, Tex.. Married, four children. Edn.: B.S., N. Tex. State Coll., Denton, 1939; M.S., ibid, 1940. Exp.: Tchr., Paschal H. Schl., N. Side H. Schl., Ft. Worth, Tex., 1940-47; Teaching Ind. Arts, N. Tex. State Coll., Denton, 1947---; Ind. Exp., Summers, 1941-45. Mem.: N.E.A.; Tex. Voc. Assn.; Phi Delta Kappa. Areas of Splty.: Mach. Shop. Avoc. Ints.: Hunting; Fishing; Gunsmithing; Collecting Indian Relics; Bldg. Steam Engines.

McCLINTOCK, Calvin H., Asst. Prof., Head of Ind. Arts Dept., State Tchrs. Coll., Bemidji, Minn.. b.: Sept. 27, 1896, Lincoln, Neb.. Mar-

ried. Edn.: B.S., Univ. of Minn., 1924; M.A., ibid, 1937. Exp.: Instr., Ind. Arts and Science, H. Schl., Red Lake Falls, Minn., 1924-26; Head, Science Dept., Wash. H. Schl., St. Paul, Minn., 1926-27; Head, Dept. of Ind. Arts, State Tchrs. Coll., Bemidji, Minn., 1927---. Publs.: Toy Gun, "I.A.V.E.", 1948. Mem.: A.A.U.P.; Minn. Voc. Assn.; Minn. I.A.A.; A.C.I.A.T.E.; A.I.A.A.; Minn. Edn. Assn.. Areas of Splty.: Drawing; Woodwork; Electricity; Tchr. Training. Avoc. Ints.: Photo.; Stamp Collecting; Collecting Records of Symphonies; Craftwork; Collecting Old and Rare Schl. Books; Fishing; Hunting.

McCLURE, John A., Assoc. Prof., Univ. of Calif., Santa Barbara Coll., Santa Barbara, Calif.. b.: Jan. 26, 1907, Assumption, Ill.. Married, three children. Edn.: B.S., Univ. of Ill., 1933; M.S., ibid, 1937; Ph.D., Purdue Univ., 1946. Exp.: Ind. Arts Tchr., H. Schl., 1933-36; Personnel Work, A. E. Staley Mfg. Co., 1927-30, 1936-37, Inter. Harvester Co., 1937-38; Instr., Eastern Ill. State Coll., 1938-39; Instr., Purdue Univ., 1939-40; Edn. Work, B. F. Goodrich Co., 1940-42; Prof. of Ind. Engrn., Univ. of Akron, 1942-46; Assoc. Prof. of Ind. Mgt., Rutgers University, 1946-49; Assoc. Prof. of Ind. Mgt., Univ. of Southern Calif., 1949-50; Assoc. Prof. of Ind. Arts, Univ. of Calif., Santa Barbara Coll., 1950--. Publs.: Contbd. to: "Jour. of Appld. Psychology", "Transactions", "Advanced Management", and "I.A.V.E.". Mem.: A.I.A.A.; Amer. Psychological Assn.: Calif. Ind. Edn. Assn.; Sigma Xi; Epsilon Pi Tau; Iota Lambda Sigma. Areas of Splty.: Ind. Edn.; Ind. Psy.; Ind. Mgt.. Travel: U.S.. Avoc. Ints.: Faculty Spon., Alpha Phi Omega; Boy Scout Work.

McCONKIE, W. R. (l.i.), B.S., Ind. Arts Dept., Dixie Coll., St. George, Utah.

McCOY, Robert A., Asst. Prof. of Ind. Arts, Univ. of Calif., Santa Barbara Coll., Santa Barbara, Calif.. b.: Dayton, Ohio. Married, two children. Edn.: B.S., Bowling Green State Univ., 1933; M.Ed., Univ. of Colo., 1946; Other Grad. Study. Exp.: Tchr., Pub. Schls. in Ohio, 1934-40; Officer, USNR, 1940-45. Publs.: Author, Practical Photography, McKnight and McKnight, 1950; Co-author, Rules of the Road, Drake and Co., 1942. Mem.: Kappa Delta Pi; Epsilon Pi Tau. Areas of Splty.: Photo.; Crafts; Drawing; Woodwork. Travel: U.S.; Canada. Avoc. Ints.: Vocal Music.

McDERMOTT, James R., Instr., City Coll. of N. Y., N. Y., N. Y.. b.: Dec. 18, 1917, Jersey City, N. J.. Married, two children. Edn.: B.S., N. J. State Tchrs. Coll., Newark, 1940; M.A., N. Y. Univ., 1946; Other Grad. Study. Exp.: Tchr. of Gen. Shop, Pub. Schls., 1940-43, 1946-50; Proof Dir., U. S. Army, 1943-46; Instr., Gen. Shop and Graphic Arts,

City Coll. of N. Y., 1950—. Publs.: Contbd. to "The Schl. Exec.". Mem.: A.I.A.A.; N.E.A.; N. J. Ind. Arts Assn.; N. Y. State Voc. and Prac. Arts Assn.; Kappa Delta Pi; Epsilon Pi Tau. Areas of Splty.: Comprehensive Gen. Shop; Graphic Arts. Travel: Canada.

McDONALD, Oscar L., Instr., Tuskegee Inst., Tuskegee, Ala.. b.: Nov. 3, 1911, Montgomery, Ala.. Married, two children. Edn.: B.S., Tuskegee Inst., 1948. Exp.: Masonry Contractor., Tuskegee Inst., 1932-42; Bricklayer, 1942-45; Instr., Tuskegee Inst., 1945---. Mem.: A.I.A.A.; Ala. State Tchrs. Assn.. Areas of Splty.: Masonry; Ceramics; Leathercraft. Avoc. Ints.: Woodcraft; Plastics; Gardening.

McELHENY, J. R., Asst. Prof. of Ind. Edn., Chair., Ind. Edn. Dept., Univ. of Miami, Coral Gables, Fla.. b.: Feb. 15, 1913, Indiana. Married, two children. Edn.: B.S., Purdue Univ., Lafayette, Indiana, 1935; M.S., ibid, 1942. Exp.: Tchr., Pub. Schls., 12 yrs.; Tchr., Coll., 3 yrs.. Mem.: A.C.I.A.T.E.. Area of Splty.: Metals.

McENGE, Withro, Assoc. Prof. and Head, Dept. of Ind. Edn., Tuskegee Inst., Tuskegee Inst., Ala.. b.: Jan. 29, 1909, Tuscaloosa, Alabama. Married. Edn.: B.S., Tuskegee Inst., 1931; M.A., N.Y. Univ., 1940; Other Grad. Study. Exp.: Construction Trades, 1923-32; Tchr., Adult Edn., 1932-35; Coll. Shop Tchr., 1935-38; Head, Dept. of Ind. Edn., Tuskegee Inst., 1938---. Publs.: Contributed to "I.A.V.E.". Mem.: A.I.A.A.; A.V.A.; Ala. State Tchrs. Assn.; Ala. Assn. of Voc. Tchrs., Advisory Com. Areas of Splty.: Gen. Shop; Masonry; Mech. Drawing; Methods. Travel: U.S.. Avoc. Ints.: Poultry Raising; Hunting; Athletic Events.

McEOWEN, Robert F., Instr., Texas Coll. of Arts and Ind., Kingsville, Texas. b.: April 29, 1906, Louisburg, Kan.. Married, one child. Edn.: B.S., Texas A. & I., 1930; M.S., East Texas State Coll., 1946. Exp.: Supt. of Schls., Olmito, Texas, 1930-42; Instr. of Radio, U.S.A.A.C., 1942-44; Tchr., Ind. Arts, Harlingen H. Schl., Harlingen, Texas, 1944-49; Instr., Ind. Arts, Texas A. & I., Kingsville, Texas, 1949---. Mem.: Epsilon Pi Tau; T.S.T.A.; A.I.A.A.; T. Voc. Assn.; A.V.A.; N.E.A.; A.A.U.P.. Areas of Splty.: Mach. Shop; Woodwork; Plastics; Leather. Travel: U.S.; Mexico. Avoc. Ints.: Radio Mech. and Morse Code; Cabinet Work.

McGINNIS, Robert H., Instr. in Ind. Arts, Ball State Tchrs. Coll., Muncie, Indiana. b.: May 24, 1918, Franklin, Indiana. Married, one child. Edn.: B.S.. Ball State Tchrs. Coll., Muncie, Indiana; M.S., The Stout Inst., Menomonie, Wis.; Work. on Ed.D.. Exp.: Tchr., Jr. H. Schl., New Castle, Indiana, 1943-46; Instr. in Lab. Schl., Ball State

Tchrs. Coll., Muncie, Indiana, 1946—. Mem.: Indiana Ind. Edn. Assn.; Epsilon Pi Tau; A.C.I.A.T.E.; Kappa Delta Pi. Area of Splty.: Ind. Edn.. Avoc. Ints.: Amateur Radio; Travel; Fishing.

McINTOSH, Charles W., Instr., Univ. of Minn., Minneapolis, Minn.. b.: Nov. 24, 1916, Marion, Kan.. Married. Edn.: B.S., Kan. State Tchrs. Coll., 1938; M.Ed., Univ. of Mo., 1947. Exp.: Tchr., Pub. Schls., 3 yrs.; Ind. Arts Tchr. Edn., 4 yrs.; U.S. Army, 1941-46. Mem.: A.A.U.P.; Phi Delta Kappa; N.A.I.T.T.. Areas of Splty.: Woodwork; Crafts. Avoc. Ints.: Hobby Craft Classes; Adult Evening Classes; Home Workshop.

McKISSACK, L. W. (l.i.), B.S., Prof., Dept. of Ind. Edn., Tenn. A. and I. State Coll., Nashville, Tennessee.

McLARTY, Emmett C., Instr., Stephen F. Austin H. Schl., Tex. A. & M. Coll., Coll. Station, Tex.. b.: Nov. 30, 1921, Yoakum, Tex.. Married, one child. Edn.: B.S., Tex. A. & M. Coll., 1943; M.Ed., ibid, 1948. Exp.: Engrn. Draftsman, 1942-43; Ind. Arts Tchr., Jones Jr. Coll., Ellisville, Miss., 1943-47; Instr. of Ind. Arts, Tex. A. & M. Coll., 1947—. Mem.: Tex. State Tchrs. Assn.. Areas of Splty.: Cabinetmaking; Gen. Metal Work; Engrn. Drawing. Avoc. Ints.: Leathercraft; Model Airplanes; Gardening.

McMULLEN, Eugene L., (l.p.) Instr., Kan. State Tchrs. Coll., Emporia, Kan.. b.: June 29, 1923, Sylvan Grove, Kan.. Edn.: B.S., Kan. State Tchrs. Coll., Emporia, Kan., 1950. Exp.: Instr., Kan. State Tchrs. Coll., Emporia, Kan., 1950—. Mem.: Epsilon Pi Tau. Area of Splty.: Metalwork. Travel: Italy; Africa; S. Amer.; Cuba; U.S.. Avoc. Ints.: Constructing anything Mechanical.

McMURRAY, O. G. (l.i.), M.A., Asst. Prof., Dept. of Ind. Arts Edn., Mich. State Coll., East Lansing, Michigan.

McNEAL, S. T. (l.i.), Lecturer, Dept. of Ind. Arts, Univ. of Calif., Santa Barbara Coll., Santa Barbara, California.

McNEELEY, Liggett R., Instr., Prairie View Agri. and Mech. Coll., Prairie View, Texas. b.: Aug. 12, 1913, Kilgore, Texas. Married, two children. Edn.: Certif. in Shoe Repair. Exp.: Prairie View A. & M. Coll., 1947—. Mem.: Colored Tchrs. State Assn. of Texas. Area of Splty.: Shoe Repair. Avoc. Ints.: Farming.

McQUIRE, J. G. (l.i.), M.S., Prof., Ind. Edn. Dept., The A. and M. Coll. of Texas, College Station, Texas.

McWILLIAMS, Robert, Instr., State Univ. of N.Y., Tchrs. Coll., Oswego, N.Y.. b.: Oct. 20, 1905, Amsterdam, N.Y.. Married, two children.

Edn.: B.S., Oswego State Tchrs. Coll., 1949. Exp.: Tchr., Ind. Arts, Textiles, Roosevelt Jr. H. Schl., Amsterdam, N.Y., 1930-43; Tchr., Voc. Textiles, Ind. H. Schl., 1943-44; Tchr., Ind. Arts and Voc. Textiles, W. Lynch H. Schl., 1944-50; Instr., Textiles, State Tchrs. Coll., Oswego, N.Y., 1950—. Mem.: East. Dist. Voc. and Ind. Arts Assn.; A.V.A.. Area of Splty.: General Textiles. Travel: U.S.; Canada. Avoc. Ints.: Gen. Woodwork.

MEANS, Otho W., Asst. Prof., Neb. State Tchrs. Coll., Kearney, Neb.. b.: Oct. 26, 1906, Fullerton, Neb.. Married, three children. Edn.: B.S., Univ. of Neb., Lincoln, Neb., 1930. Exp.: Instr., Auto Mechs., Grand Is., Neb., 1929-38; Coordinator of T. & I. Edn., Grand Is., Neb., 1938-43; Civilian Coordinator, A.A.F.B., Grand Is., Neb., 1943-46; Dist. Mgr., Farmers Ins. Group, Kearney, Neb., 1946-48; Asst. Prof., Ind. Arts, Neb. State Tchrs. Coll., Kearney, Neb., 1948—. Mem.: N.E.A.; Neb. Edn. Assn.; Neb. Ind. Arts Assn.; Coll. Edn. Assn.. Avoc. Ints.: Const. Work; Designing and Building Houses; Hunting; Fishing.

MEEKINS, T. V. P. (l.i.), B.S., Instr., Dept. of Ind. Edn. and Ind. Management, Va. State Coll., Petersburg, Virginia.

MEHALLIS, George, Asst. Prof. of Ind. Edn., Univ. of Miami, Coral Gables, Fla.. b.: Feb. 14, 1923, Wheeling, W. Va.. Edn.: B.S., Ohio State Univ., Columbus, 1945; M.A., ibid, 1948. Exp.: Stud. Asst., Ohio State Univ., Columbus, 1944; Ashtabula Harbor H. Schl., Ashtabula, Ohio, 1945-48; Miami Beach Sr. H. Schl., Miami Beach, Fla., 1948-50; Univ. of Miami, Coral Gables, Florida, 1950—. Member: A.C.I.A.T.E.; A.I.A.A.; A.V.A.; Epsilon Pi Tau. Areas of Splty.: Woodwork; Drawing; Graphic Arts; Plastics; Crafts. Travel: U.S.; Mediterranean Countries. Avoc. Ints.: Photo.; Fine Arts, Sculpture, Oils, Pastels.

MELTON, J. V., Assoc. Prof. of Ind. Edn., Kan. State Tchrs. Coll., Pittsburg, Kan.. b.: 1904, Appleby, Tex.. Married. Edn.: B.S., 1924; M.A., Ohio State Univ., 1932. Exp.: Kan. State Tchrs. Coll., Pittsburg, 1947—. Area of Splty.: Ind. Arts.

MERRITT, Charles, Asst. Prof. of Ind. Arts, Ariz. State Coll., Tempe, Ariz.. b.: May 20, 1919, La.. Married, one child. Edn.: B.A., Ariz. State Coll., Tempe, 1946; M.A., ibid, 1948. Exp.: Instr. in Defense Radio, 1942; U.S.N., 1942-46; Radio Station Engr., 3½ yrs.; Arizona State Coll., Tempe, 1946—. Publs.: "Video Anyelifer Design", QST, 1944. Mem.: Inst. of Radio Engrs.; I.A.M.; A.R.R.L.. Areas of Splty.: Electricity; Electronics; Television; Radar. Travel: Canada; Alaska;

Mexico; England. Avoc. Ints.: Amateur Radio, W76MH; First Class Radiotelephone License; Fishing.

MEYER, E. D., Assoc. Prof., Ore. State Coll., Corvallis, Ore.. b.: July 13, 1894, Racine, Wis.. Married, one child. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1927; M.A., Ore. State Coll., Corvallis, 1940. Exp.: Mach. Helper, Woodwork, 1914; Machinist's Helper, 1915; Apprentice, Wood Patternmaking, 1912-16; Journeyman Patternmaker; U.S. Army, 1917-19; Milwaukee Voc. Schl., 1924-25; Ore. State Coll., Corvallis, 1925---. Areas of Splty.: Occupational Analysis; Patternmaking; Wood and Metal Finishing.

MEYER, Harvey K., Prof. of Ind. Arts and Voc. Educ., Univ. of Fla., Gainesville, Fla.. b.: Feb. 6, 1914, Carlisle, Pa.. Married, three children. Edn.: B.A., Berea College, Berea, Ky., 1936; M.A., Eastern Ky. State Coll., 1942; Ed.D., Univ. of Fla., Gainesville, 1951. Exp.: Surveyor, Wash. State Highway Dept., 1932; Furniture Designer, Berea Student Industries, 1932-35; Construction worker, Bailey Const. Co., Seattle, Wash., 1935; Instr., Univ. of Fla., Ext. Div., 1936-37; Shop Supv., N.Y.A., Jacksonville, Fla., 1937-38; Supv. Tchr. & Instr. Vocational Cabinetmaking, Madison H. Schl., Richmond, Ky., 1938-41; Asst. Prof. Ind. Arts, Eastern Ky. State Coll., 1941-43; Lt., U.S.N.R., designated Naval Aviation Observer (Navigation), Nav. Off., Staff Chief Nav. Air Trg., 1943-46; Instr., Ind. Arts, P.K. Yonge Lab. Schl., & Univ. of Fla., 1946-47; Prin., P.K. Yonge Lab. Schl., 1947-48; Assoc. Prof. of Ind. Arts & Voc. Ed., Univ. of Fla., Gainesville, 1948-52; Prof., Ind. Arts & Voc. Ed., Univ. of Fla., 1952---. Publs.: Co-editor, Inventory-Analysis of Industrial Arts Facilities, Personnel and Programs, First yearbook of the ACIATE, 1952; co-author, A Brief Guide to Teaching Industrial Arts in the Secondary Schools, Fla. Bull. No. 12 Revised, 1947; Navy Navigation Notes, 1945; Navigation Test Series and Syllabi, U.S.N.A.O.T.C., 1944-45; Contbd. to professional journals. Mem.: A.I.A.A., Chair., Small Schl. Prog. and Exhibits, 1947-50; Liaison Com., Pubs. Com., Constitution Rev. Com., 1952; Resolutions Com., 1953; A.C.I.A.T.E., Constitution Com., Inter-Exchange Com., 1952; Florida Craftsmen; Southern Highland Handcraft Guild; N.E.A.; F.E.A.; A.V.A.; Fla. Ind. Arts Assn., Chair. Exhibits, 1947-51; Inst. of Navigation; Ky. State Ind. Arts Assn., Bd. Directors 1940-41; Regional Judge, Ford Awards, 1951; Phi Kappa Phi; Phi Delta Kappa; Kappa Delta Pi; Epsilon Pi Tau, Laureate Chap., 1952; Co-trustee, Alpha Sigma Chap., Univ. of Fla.; Avia. Tech. Trg. Officer, U.S.N.R. Patrol Squadron VP-742, NAS Jacksonville, Fla., 1951---. Areas of Splty.: Design; Profnl. Courses. Travel: U. S.;

Cuba; Haiti; Bahamas; Canada; Mexico. Avoc. Ints.: Arch. & Bldg. Const.; Aero & Marine design; Water Sports; Timber farming; Cabinetwork; Piano; Poetry; Scout Work.

MEYER, H. J. (I.i.), B.S., Instr., Ind. Arts Div., N.Y. State Coll. for Tchrs., Buffalo, New York.

MICHEELS, William J., Assoc. Prof. of Ind. Edn., Univ. of Minn., Minneapolis, Minn.. b.: Jan. 28, 1911, Menomonie, Wis.. Married, two children. Edn.: B.S., The Stout Inst., 1932; M.A., Univ. of Minn., 1938; Ph.D., ibid, 1941. Exp.: Tchr., Pub. Schls., 1932-41; Instr., Univ. of Minn., 1941, Assoc. Prof., 1946---; Asst. Dir., Tchr. Training Dept., Armored Forces Schl., Ft. Knox, Ky., 1942-43; Office of Defense Transportation, 1943-45; Visiting Expert to Germany, U.S. Dept. of Army, 1949. Publs.: Doctoral Dissertation, "State Supervision of Ind. Arts Edn."; Author and Co-author of several bulletins and books on transportation training and other subjects; Contributed to various magazines. Mem.: A.V.A.; N.E.A.; N.A.I.T.T.; A.A.U.P.; Minn. Voc. Assn.; Minn. Edn. Assn.; Amer. Tech. Edn. Assn.; Natl. Soc. for the Study of Edn.; Phi Delta Kappa. Areas of Splty.: Analysis; Course Organ.; Teaching Methods; Evaluation; Research Problems. Travel: Europe. Avoc. Ints.: Photo.; Music; Gardening; Craftwork.

MILLER, E. A., Dir., Div. of Mech. Arts, Langston Univ., Langston, Okla.. b.: Oct. 10, 1897, Asheville, N.C.. Married, one child. Edn.: B.S., Ind. Engr., Pa. State Coll., State Coll., Pa., 1924; M.S., Ia. State Coll., 1935. Exp.: Ind. Exp., 1918-24; Instr., Ind. Arts, H. Schl., 1924; Instr., Math., Va. State Coll., 1924-25; Instr., Math., Science, Tuskegee Inst., 1925-27; Dir., Div. of Ind. Arts, Langston Univ., Langston, Okla., 1927-31, 1935---; Instr., Ind. Arts, H. Schl., 1931-34. Publs.: Contbd. to "I.A.V.E.". Mem.: A.V.A.; N.E.A.; A.C.I.A.T.E.; I.A.V.E., Regional Chair. for Membership, 1948-49; Okla. Acad. of Science; Assn. of Dirs. of Ind. Arts; Okla. Assn. of Ind. Arts Tchrs. Area of Splty.: Engr. and Ind. Edn.. Travel: U.S.. Avoc. Ints. Hunting; Fishing; Tennis; Photography.

MILLER, Harold J., Asst. Prof. of Ind. Arts, Univ. of Calif., Santa Barbara Coll., Santa Barbara, Calif.. b.: Nov. 12, 1904, Mt. Vernon, Ill.. Married. Edn.: B.S., Univ. of Ill.; M.S., ibid.. Exp.: Tchr., H. Schl. and Jr. Coll., 1933-46; Dept. of Ind. Arts, Univ. of Calif., Santa Barbara Coll., 1946---. Mem.: A.V.A.; Epsilon Pi Tau; Calif. Ind. Edn. Assn.. Areas of Splty.: Mach. Drafting and Design; Purchasing of Ind. Materials and Equip.. Travel: U.S.. Avoc. Ints.: 16MM Color Movies; Aviation; Fishing; Boating.

MILLER, John G., Instr., N.Y. Univ., Wash. Square, N.Y.C.. b.: April 11, 1912, N.Y.C.. Married, three children. Edn.: B.S., N. Y. Univ., 1935; M.A., ibid, 1945. Exp.: Tchr., Ind. Arts, Eastport H. Schl., 1935-38; Islip H. Schl., Islip, N.Y., 1938-41; Instr., ibid, 1941---. Publs.: Author, Plumbing, 1945; Metal Arts Crafts, 1948; Co-author, Home Mechanics Handbook, 1945; Homecraftsman's Handbook, 1948; The Engine Lathe, 1946. Mem.: N.Y.S. Voc. and Prac. Arts Assoc.; A.V.A.. Areas of Splty.: General Metal Work and Machine Shop; Methods of Teach. Ind. Arts. Avoc. Ints.: Horticulture; Photography.

MILLER, Rayman, Asst. Prof. of Ind. Arts, Western Ill. State Coll., Macomb, Ill.. b.: 1903, Carthage, Ill.. Married, two children. Edn.: B.Ed., Western Ill. State Coll., 1924; M.A., Tchrs. Coll., Columbia Univ., 1930. Exp.: Tchr., Ind. Arts, H. Schl., 1924-27; Western Ill. State Coll., 1927---. Mem.: N.E.A.; International Graphic Arts Edn. Assn.; Kappa Delta Pi; Phi Delta Kappa. Areas of Splty.: Printing; Crafts. Avoc. Ints.: Boy Scouts; Gardening.

MILLER, Thomas Edgar, Instr., The Berry Schls., Mt. Berry, Ga.. b.: Apr. 6, 1927, Clearmont, Ga.. Married. Edn.: B.S., The Berry Schls., Mt. Berry, Ga., 1949; M.S., The Stout Inst., Menomonie, Wis.. Exp.: Instr., Woodwork, The Berry Schls., Mt. Berry, Ga., 1950--. Mem.: Epsilon Pi Tau; A.C.I.A.T.E.. Areas of Splty.: Cabinetmaking; Audio-Visual Edn.. Avoc. Ints.: Cabinetmaking.

MILNES, Harold C., Assoc. Prof., The Stout Inst., Menomonie, Wis.. b.: July 15, 1884, Cedar Rapids, Ia.. Married, three children. Edn.: B.S., 1928; M.S., 1936. Exp.: Mach. Shop Instr., Western Elec. Co., 1907-09; Tchr., Ind. Arts, H. Schl., 1909-16; The Stout Inst., Menomonie, Wis., 1916---. Mem.: A.V.A.; Wis. Tchrs. Assn.. Areas of Splty.: Mach. Shop; Patternmaking; Foundry.

MINER, Harvey D., Instr., Ind. Arts, Bowling Green State University, Bowling Green, Ohio. b.: Jan. 7, 1910, Tontogany, Ohio. Married, one child. Edn.: B.S., Bowling Green State Univ., 1933; M.Ed., Ohio Univ., 1947. Exp.: H. Schl. Tchr., 1934-47; Instr., Bowling Green State Univ., 1947--. Publs.: Area Panel Solves Tool Storage Problem, "School Shop", Dec., 1948; Patternmaking and Foundry Work in the General Shop, "I.A.V.E.", Oct., Nov., 1950. Mem.: Epsilon Pi Tau; A.A.U.P.. Areas of Splty.: Patternmaking; Foundry; Crafts. Travel: U.S.. Avoc. Ints.: Gen. Crafts; Photo.; Fishing.

MINOR, W. T. (l.i.), M.S., Asst. Prof., Ind. Edn., Northeast Mo. State Tchrs. Coll., Kirksville, Missouri.

MINSLEY, Irving Robert, (l.p.) Instr., N.Y. Univ., Wash. Square, N.Y.C..

b.: Nov. 22, 1919, Bklyn., N.Y.. Married. Edn.: B.S., N.Y. Univ., 1948; M.A., ibid, 1949. Exp.: Fellow. in Ind. Arts, N.Y. Univ., 1948-49; Instr., ibid, 1949---. Mem.: Kappa Phi Alpha; A.C.I.A.T.E.. Areas of Splty.: Gen. Shop; Electricity; Photo.; Electronics; Rehabilitation. Travel: United States; Canada; France. Avoc. Ints.: Electronics; Photography.

MITCHELL, John, Instr., Gorham State Tchrs. Coll., Gorham, Me.. b.: Nov. 25, 1916, Worcester, Mass.. Married, one child. Edn.: B.S., State Tchrs. Coll., Fitchburg, Mass., 1939; M.A., Univ. of Minn., Minneapolis, Minn., 1947. Exp.: Instr., Ind. Arts, Acton H. Schl., Acton, Mass., 1939-42, 1945-46; Instr., Avia. Metalsmithing, U.S.N., 1942-43; Instr., Ind. Arts, Gorham State Tchrs. Coll., Gorham, Me., 1947---. Mem.: A.V.A.; N.A.I.T.T.; A.A.U.P.; A.C.I.A.T.E.; N.E.A.; N.E.I.A.A.; Me. Tchrs. Assn.; Me. Voc. Assn.; Me. Assn. for Ind. Edn.; Epsilon Pi Tau. Area of Splty.: Metalwork. Avoc. Ints.: Photo.; Woodwork.

MITCHELL, Luther J., Instr., Prairie View Agri. and Mech. Coll., Prairie View, Texas. b.: Sept. 29, 1920, Spiro, Okla.. Married. Edn.: B.S., Prairie View A. & M. Coll. Exp.: Prairie View A. & M. Coll., 1950--. Mem.: Natl. Tech. Assn.. Areas of Splty.: Architecture; Radio. Travel: England; France; Belgium; Mexico; Germany; Switzerland.

MODI, A. D., Instr., W. Va. Univ., Morgantown, W. Va.. b.: June 15, 1914, Mannington, W. Va.. Married. Edn.: B.S., W. Va. Univ., 1941; M.A., ibid, 1950. Exp.: Professional Upholsterer and Interior Decorator, 1937; Sculptor, 1938-39; Tchr., Pub. Schls., 4 yrs.; Ind. Arts Tchr. Edn., 8 yrs.. Mem.: Upholsterer's Guild. Areas of Splty.: Upholstery; Interior Decorating. Travel: U.S.. Avoc. Ints.: Sculptoring; Wood Carving; Model Making.

MOE, O. K., Prof., Dir., Div. of Ind. Arts, Western Mont. Coll. of Edn., Dillon, Mont.. b.: Feb. 11, 1894, Christine, N.D.. Married. Edn.: B.A., Mont. State Univ., 1924; M.A., Univ. of Wash., 1932; Working on Doctorate. Exp.: Tchr., H. Schl., 1921-22, 1924-27; Tchr., Coll., 1927---. Mem.: Phi Delta Kappa. Areas of Splty.: Woodwork; Drafting; Weaving. Travel: France; Germany; U.S.. Avoc. Ints.: Sports; Walnut Furniture Construction.

MOELLER, Carl A., Instr., Texas Agri. and Mech. Coll., Coll. Station, Tex.. b.: Aug. 16, 1917, Saginaw, Mich.. Married, two children. Edn.: B.A., Mich. State Coll., 1940; M.Ed., Tex. A. & M. Coll., 1952. Exp.: Hazel Park H. Schl., Hazel Park, Mich., 1940-42; North Intermediate Jr. H. Schl., Saginaw, Mich., 1946-50; Tex. A. & M. Coll., 1952---.

Mem.: Tex. Voc. Assn.. Areas of Splty.: Metalwork; Crafts; Art. Avoc. Ints.: Crafts; Reading; Skating; Winter Sports.

MONEY, Homer Earl, (l.p.) Asst. Prof., N. Tex. State Coll., Denton, Tex.. b.: Mar. 26, 1919, Gladewater, Tex.. Married, two children. Edn.: B.S., N. Tex. State Coll., Denton, 1942; M.S., ibid, 1947; Post Grad. Work. Exp.: Austin Pub. Schls., Austin, Tex., 1942; Instr., U.S.A.A.F., 1942-43; U.S.A.A.F., 1943-46; White Oak H. Schl., White Oak, Tex., 1946; N. Tex. State Coll., Denton, 1946---. Mem.: N.E.A.; Tex. State Tchrs. Assn.; Tex. Voc. Assn.; Coll. Classroom Tchrs. Assn., Chair., Publicity and Edn.; Phi Delta Kappa. Areas of Splty.: Tchr. Training; Woodwork. Travel: U.S.. Avoc. Ints.: Crafts; Reading.

MONICAL, Urban L., Instr., State Tchrs. Coll., Millersville, Pa.. b.: Sept. 12, 1913, Bible Grove, Ill.. Married, one child. Edn.: B.E., State Tchrs. Coll., Charleston, Ill., 1936; M.A., Ohio State Univ., Columbus, Ohio, 1937. Exp.: Euclid Cent. H. Schl., Euclid, Ohio, 1937-38; Greenhills H. Schl., Greenhills, Ohio, 1939-41, 1942-44; Pfeiffer Jr. Coll., Misenheimer, N.C., 1942; State Tchrs. Coll., Millersville, Pa., 1945--. Mem.: Epsilon Pi Tau; Kappa Delta Pi; Phi Delta Kappa. Areas of Splty.: Wood; Metal; Plastics; Photo.; Graphic Arts; Ceramics. Travel: U.S.; Canada. Avoc. Ints.: Weaving; Photography.

MONROE, Lynne C., Prof. of Ind. Arts and Chair., Dept. of Ind. Arts, Univ. of Calif., Santa Barbara Coll., Santa Barbara, Calif.. b.: Mar. 27, 1906, Cherokee, Kan.. Married. Edn.: B.S., Kan. State Tchrs. Coll., 1928; M.S., Ia. State Coll., 1932; Ed.D., Univ. of Mo., 1939. Exp.: Instr., Ind. Arts, Pub. Schls. of Kan. and Mo., 1928-37; Santa Barbara State Coll., 1939-42; Officer, U.S.N.R., 1942-46; Univ. of Calif., Santa Barbara Coll., 1946---. Publs.: Doctoral Dissertation, The Present Status of Cooperative Education in America; Contributed to "I.A.V.E."; "A.V.A. Bull."; "A.V.A. Jour."; and others. Mem.: A.I.A.A.; A.C.I.A.T.E.; A.V.A.; N.A.I.T.T.; Calif. Ind. Edn. Assn.; Kiwanis; Masons; Phi Delta Kappa; Iota Sigma Lambda; Epsilon Pi Tau. Areas of Splty.: Ind. Arts Curr.; Admin.. Travel: N. Amer.. Avoc. Ints.: Kiwanis; Boy Scouts; Civil Defense; Other Civic and Community Affairs.

MONSON, Edward G., Instr., State Norm. and Ind. Coll., Ellendale, N.D.. b.: Dec. 30, 1909, Litchville, N.D.. Edn.: B.S., State Norm. and Ind. Coll., Ellendale, N.D.. Exp.: Owner, Oper., Mach. Shop, Litchville, N.D., 1930-40; Instr., Mach. Shop, N.Y.A., State Norm. and Ind. Coll., Ellendale, N.D., 1940-42; Mach. Mate, U.S.N., Battleship Texas, 1942-46; Instr., Ind. Arts, State Norm. and Ind. Coll., Ellendale, N.D., 1946--. Mem.: N.E.A.; N.D. Edn. Assn.. Area of Splty.:

Mach. Shop. Travel: U.S.; Allied Countries. Avoc. Ints.: Rebuilding and Bldg. of Rifles and Guns of all Types.

MONSON, O. W., Head, Department of Agri. Engrn. and Ind. Arts, Mont. State Coll., Bozeman, Mont.. b.: Oct. 24, 1890, Pleasant Grove, Utah. Married, two children. Edn.: B.S., Utah State Agri. Coll., 1926; M.S., ibid, 1928. Exp.: Tchr., H. Schl., 1927; Prof., Irrigation, Coll., 1928-40; Prof., Agri. Engrn. and Ind. Arts, 1940—. Publs.: Bulletins and Jour. Articles on Irrigation. Mem.: Amer. Soc. of Agri. Engrs.; Amer. Geophysical Union. Areas of Splty.: Water Rights and Water Supply; Irrigation and Drainage. Travel: France; Sweden; Denmark; Canada; U.S.. Avoc. Ints.: Gardening; Cabinetmaking.

MONTELEONE, Thomas, Asst. Prof. of Ind. Arts Edn., Tchrs. Coll. of Conn., New Britain, Conn.. b.: Nov. 28, 1909, Farnham, N.Y.. Married, one child. Edn.: B.S., N.Y.S. Coll. for Tchrs. at Buffalo, 1932; M.A., N.Y. Univ., 1938; Ed.D., Bradley Univ., 1940. Exp.: Thomas Indian Schl., Iroquois, N.Y., 1934; Putnam Valley Cen. Schl., Peekskill, N.Y., 1935; Port Chester Sr. H. Schl., Port Chester, N.Y., 1940; Tchrs. Coll. of Conn., 1946—. Mem.: N.E.I.A.T.A.; Conn. Ind. Arts Assn.; N.E.A.; Epsilon Pi Tau. Area of Splty.: Electronics. Travel: U.S.; Canada; Mexico. Avoc. Ints.: Amateur Radio; Photo..

MONTGOMERY, H. A., Instr., Purdue Univ., W. Lafayette, Indiana. b.: Aug. 30, 1919, Newark, Ohio. Married, three children. Edn.: B.S., Purdue Univ., 1942. Exp.: Edn. Off., U.S.N., 1942-45; Peru (Indiana) H. Schl., 1945-46. Mem.: Iota Lambda Sigma; Masonic Order; A.F.A.; Naval Reserve. Areas of Splty.: Foundry; Ind. Arts; Gen. Shop. Avoc. Ints.: Football; Wrestling; Gen. Shop; Internal and External Ballistics.

MONTGOMERY, Wilson B., Assoc. Prof. of Ind. Edn., Miss. State Coll., State Coll., Miss.. b.: Jan. 2, 1890, Nettleton, Miss.. Married, two children. Edn.: B.S., Miss. State Coll., 1909; M.A., Univ. of Mo., 1941. Exp.: Appr. and Journeyman Patternmaker, 1910-14; Instr., Asst. Prof., and Assoc. Prof., Miss. State Coll., 1914—, Transferred from Mech. Engrn. Schl. to Ind. Arts, 1938. Mem.: A.V.A.; Iota Lambda Sigma. Areas of Splty.: Woodwork; Patternmaking; Gen. Shop. Avoc. Ints.: Gardening; Boy Scout Work.

MOORE, James A., Sr. Instr., Hampton Inst., Hampton, Va.. b.: June 4, 1905, W. Cape May, N.J.. Married, one child. Edn.: B.S., Hampton Inst., Hampton, Va., 1933. Exp.: Journeyman Carpenter, 1933-37; Instr. of Carpentry, Hampton Inst., Hampton, Va., 1937—. Areas of Splty.: Carpentry; Woodwork. Travel: U.S..

MOORE, Joseph H., Instr., Acting Head, Ind. Arts Dept., Tenn. Poly-

technic Inst., Cookeville, Tenn.. b.: Sept. 19, 1921, Rome, Tenn.. Married. Edn.: B.S., Tenn. Polytechnic Inst., Cookeville, 1947; M.S., Univ. of Tenn., Knoxville, 1950. Exp.: Shop Foreman, N.Y.A., 1941-43; U.S.N., 1943-46; Stud. Asst., Tenn. Polytechnic Inst., Cookeville, 1946-47, Instr., Ind. Arts Dept., 1947--. Mem.: A.I.A.A.; Tenn. Edn. Assn.; Tenn. Voc. Assn.; Tenn. Tech. Ind. Arts Club, Sponsor; Middle Tenn. Ind. Arts Round Table; Iota Lambda Sigma. Areas of Splty.: Mach. Shop; Welding; Foundry; Sheet Metal. Travel: U.S.; Pacific Area. Avoc. Ints.: Fishing; Hunting; Crafts; Athletic Events.

MORBITO, Joseph F., Assoc. Prof., Kent State Univ., Kent, Ohio. b.: Jan. 11, 1907, Jeetomia, Ohio. Married, one child. Edn.: B. of Arch., Carnegie Inst. of Tech., 1932; M.Ed., Univ. of Pittsburg, 1944. Exp.: Tchr., H. Schl., 1935-47; Kent State Univ., Kent, Ohio, 1947---. Mem.: Amer. Inst. of Architects; Epsilon Pi Tau; N.E.O.A.. Areas of Splty.: Architecture; Drawing. Travel: United States.

MORGAN, Charles H., Asst. Prof. of Ind. Edn., Kan. State Tchrs. Coll., Pittsburg, Kan.. b.: Dec. 23, 1889, Crawford Co., Kan.. Married, three children. Edn.: B.S., Kan. State Tchrs. Coll., Pittsburg, 1926; M.S., ibid, 1945. Exp.: Tchr. and Coach, Pub. Schls., 1914-31; Coach and Ind. Edn., Kan. State Tchrs. Coll., 1931--. Mem.: Kan. State Tchrs. Assn.. Area of Splty.: Woodwork. Avoc. Ints.: Gardening.

MORGAN, Jack W., Asst. Prof. of Ind. Edn., Kan. State Tchrs. Coll., Pittsburg, Kan.. b.: Aug. 15, 1919, Hiawatha, Kan.. Married, one child. Edn.: B.S., Kan. State Tchrs. Coll., Pittsburg, 1942; M.S., ibid, 1949; Ed.D., Univ. of Mo., Columbia, 1951. Exp.: Instructor, A.A.F.T.T.S., 1942-43, 1946-47; Instr., Kan. State Tchrs. Coll., Pittsburg, 1946, part time 1947-48; Asst. Instr., Univ. of Mo., Columbia, 1948-51; Asst. Prof., Kan. State Tchrs. Coll., Pittsburg, 1951--. Publs.: Contbd. to "Kansas Teacher"; "I.A.V.E.". Mem.: A.V.A.; A.A.U.P.; Kan. Adult Edn. Assn.; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Drawing; Auto Mechs.; Aircraft Engine Mechs.. Travel: South Pacific. Avoc. Ints.: Home Repair; Reading; Sports.

MORRICE, E. L. (l.i.), M.A., Asst. Prof., Ind. Arts Div., N.Y. State Coll. for Tchrs., Buffalo, N.Y..

MORTIMER, William E., Prof. of Ind. Edn., Head, Ind. Arts Dept., Utah State Agri. Coll., Logan, Utah. b.: Oct. 22, 1906, Provo, Utah. Married, three children. Edn.: B.S., Brigham Young Univ., Provo, Utah, 1928; M.S., Ore. State Coll., Corvallis, Ore., 1942. Exp.: Tchr., Ind. Arts, Pub. Schls., 1928-43; Supv. of Ind. Arts, 1943-45; Ind. Arts Tchr. Training, 1945--. Mem.: Epsilon Pi Tau; Phi Delta Kappa.

Area of Splty.: Ind. Arts Edn.. Avoc. Ints.: Home Workshop; Woodwork; Plastics; Metalwork.

MORTON, Berry E., Asst. Prof., Indiana State Tchrs. Coll., Terre Haute, Indiana. b.: July 28, 1915, Jonesboro, Ark.. Married, three children. Edn.: B.A., Cent. Coll., Fayette, Mo., 1937; M.Ed., Univ. of Mo., 1941; Ed.D., ibid, 1950. Exp.: Tchr., Pub. Schls., 1937-42; U.S. Army, 1942-46; Asst. Prof., State Tchrs. Coll., Oswego, N.Y., 1946-47; Instr., Univ. of Mo., 1947-49; Mo. State Dept. of Edn., 1949-50; Asst. Prof., Indiana State Tchrs. Coll., Terre Haute, 1950---. Mem.: A.A.U.P.; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Electricity; Radio; Woodwork.

MUNSON, Neil L., Asst. Prof. of Pract. Arts., Univ. of Neb., Lincoln, Neb.. b.: Jan. 6, 1922, Sterling, Colo.. Married. Edn.: B.S., Univ. of Neb., 1947; Grad. Work, Colo. A. & M. Coll.. Exp.: Instr., Univ. of Neb., Lincoln, 1947---. Areas of Splty.: Upholstery; Plastics; Woodwork. Travel: South Pacific.

MURRY, Jesse L., Assoc. Prof., Southern Univ. and Agri. and Mech. Coll., Baton Rouge, La.. b.: Feb. 26, 1904, Little Rock, Ark.. Married. Edn.: B.S., Antioch Coll., 1942; M.A., Ohio State Univ., 1944; Diploma in Radio, Sound and Television, De Forests Inst., 1945. Exp.: Electrician, 1923-28; Prin. and Shop Tchr., Pub. Schls., 1928-41; Electrician, Wilberforce Univ., 1941-42; Radio Electrician, 1942-43; Ind. Arts Instr., Ala. State Coll., Montgomery, 1943-44; Ind. Arts Instr., Xavier Univ., 1944-45; Assoc. Prof., Div. of Ind. and Tech. Edn., Southern Univ., 1945---. Publs.: Contbd. to the following magazines: "The Science Teacher", "Beta Kappa Bulletin", "Beta Kappa Chi Bulletin", "I.A.V.E.", and "Ark. Tchrs. Jour.". Mem.: A.I.A.A.; A.A.U.P.; Amer. Tchrs. Assn., 1st v. pres., 1950-51, Chair., Dept. of Ind. Edn., 1950, chair., Dept. of Rural Life, 1939-41; Ark. Tchrs. Assn., v. pres., 1933-36; Drew Co. Tchrs. Assn., pres., 1931-37; Phi Delta Kappa; Beta Kappa Chi; La. Edn. Assn.; Audio Engrn. Society. Areas of Splty.: Radio and Electronics; Ind. Arts; Science; Ind. Edn.; Voc. Guidance. Travel: Canada; U.S.. Avoc. Ints.: Religious Activities; Photo.; Cooking; Dramatics and Speech; Spectator of Sports.

NABERS, Tracy B., Assoc. Prof. of Ind. Arts, Kent State Univ., Kent, Ohio. b.: June 8, 1919, Commerce, Tex.. Married, two children. Edn.: B.S., E. Tex. State Tchrs. Coll., Commerce, 1940; M.S., Univ. of Ill., Urbana, 1947. Exp.: Tchr., Ind. Arts, H. Schl., Bossier City, La., 1940-41; Tchr., Ind. Arts, H. Schl., Greenville, Tex., 1941-42; Arch. Draftsman, 1942; Instr., N.A.T.T.C., Chicago, Ill. and Millington,

Tenn., 1942-43; Pilot, U.S.A.A.C., 1943-45; Tchr., Ind. Arts, Univ. of Ill., Univ. H. Schl., 1945-47; Asst. Instr., Engrn. Drawing, Univ. of Ill., 1946-47; Asst. Prof. of Ind. Arts, Kent State Univ., Kent, Ohio, 1947---. Mem.: A.V.A.; N.E.A.; Amer. Craftsman's Edn. Council, Inc.; Alpha Chi; Kappa Delta Pi; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Woodwork; Drawing; Ind. Arts Design. Travel: U.S.. Avoc. Ints.: Astronomy; Aviation; Readings on Archeology.

NAIR, Ralph K., Asst. Prof., Univ. of Calif., Santa Barbara Coll., Santa Barbara, Calif.. b.: June 27, 1913, Wichita, Kan.. Married, two children. Edn.: B.S., Kan. State Tchrs. Coll., 1935; M.S., ibid, 1939; Ed.D., Univ. of Mo., 1950. Exp.: Tchr., Ind. Arts, Pub. Schls., 1935-41; Instr., Ind. Arts, Santa Barbara State Coll., 1941-47; Asst. Prof., Ind. Arts, Univ. of Calif., 1947—. Publs.: Doctoral Dissertation, Predictive Value of Standardized Tests and Inventories in Ind. Arts Teacher Edn.; Contributed to various magazines. Mem.: Phi Delta Kappa; Pi Sigma Chi; Epsilon Pi Tau; A.C.I.A.T.E.. Areas of Splty.: Drawing; Crafts; Woodwork; Guidance. Travel: U.S.; Canada. Avoc. Ints.: Crafts; Photo.; Wood.

NALBACH, Walter B., Asst. Prof., Western Ky. State Coll., Bowling Green, Ky.. b.: Aug. 20, 1910, Grand Rapids, Mich.. Married, one child. Edn.: B.S., Western Ky. State Coll., Bowling Green, 1933; M.A., Univ. of Ky., Lexington, 1937. Exp.: Various Work Exp., 1925-35; Louisville Pub. Schls., Louisville, Ky., 1935-36; Western Ky. State Coll., Bowling Green, 1936-41; 1945---; Morehead State Coll., Morehead, Ky., 1941-42; Armored Force Schl., Fort Knox, Ky., 1942-45. Mem.: Ky. State Ind. Arts Assn., V. Pres., Mem. Exec. Com.; A.I.A.A.; Ky. Edn. Assn.. Areas of Splty.: Woodwork; Metalwork; Design. Avoc. Ints.: Handcarving; Golf.

NAVE, Delbert P., Instr., Memphis State Coll., Memphis, Tenn.. Edn.: A.B., Eastern Ill. State Coll., 1934; M.S., Ohio State Univ., 1939. Exp.: Nine yrs. Jr. & Sr. High Schl.; six yrs. coll., Memphis State, 1950---. Area of Splty.: Ceramics, Graphic Arts.

NAVRATIL, Frank, Instr., N.Y. Univ., Wash. Square, N.Y.C.. b.: Oct. 27, 1917, Astoria, L.I.. Married. Edn.: B.S., N.Y. Univ., 1940; M.A., ibid, 1947. Exp.: Bd. of Edn., N.Y.C., 1940-45. Mem.: U.S. A.A.C., Capt. in Air Res.. Areas of Splty.: Mach. Shop; Woodworking; Transportation. Travel: Europe; Africa; United States. Avoc. Ints.: Photo.; Woodworking; Boats.

NEEB, Lewis S., Prof. of Ind. Arts, Head, Dept. of Ind. Arts and Technology, Ariz. State Coll., Tempe, Ariz.. Married, two children.

Edn.: B.A., Univ. of Ariz., Tucson, 1927; M.A., ibid, 1929; M.A., ibid, 1929; Reg. Profnl. Engr., No. 652. Exp.: Tchr. and Supv., Pub. Schls., 15 yrs.; Instr., Phoenix Coll., Phoenix, Ariz., 3 yrs.; Ariz. State Coll., Tempe, 20 yrs.; Pract. Exp. in Industry, 6 yrs.. Mem.: Amer. Engrs. Assn.; Amer. Assn. of Engrs., Past Regional Dir.; Ariz. State Bd. of Technical Registration for Architects, Engrs., Assayers, and Land Surveyors, Sectry.. Areas of Splty.: Mech. Engrn.; Ind. Arts; Builder. Travel: Canada; Mexico; U.S.. Avoc. Ints.: Lodge and Service Clubs.

NEIL, John W., Instr., Supv. of Ind. Arts Student Tchrs., State Tchrs. Coll., California, Pa.. b.: Feb. 9, 1916, South View, Pa.. Married, two children. Edn.: B.S., State Tchrs. Coll., Calif., Pa., 1937; M.Ed., Univ. of Pittsburg, 1942; Work. on Doctorate. Exp.: Ford City H. Schl., Ford City, Pa., 1937-39; Metton Jr. H. Schl., Mt. Lebanon, Pa., 1939-42; U.S.N., 1942-46; Metton Jr. H. Schl., Mt. Lebanon, Pa., 1946-48; State Tchrs. Coll., Calif., Pa., 1948---. Mem.: Phi Sigma Phi; Alpha Psi Omega; A.V.A.; W.P.I.A.T.A.. Areas of Splty.: Woodwork; Gen. Metals; Draw.. Travel: Atlantic Area; Mediterranean Area; Pacific Area. Avoc. Ints.: Camping, Dir., Camp Ronnoco, Ashville, N.Y.; Basketball and Football Officiating.

NELSON, A. Frank, Asst. Prof., N. Tex. State Coll., Denton, Tex.. b.: July 11, 1920, Moody, Tex.. Married. Edn.: B.S., N. Tex. State Coll., Denton, 1941; M.S., ibid, 1947; Post Grad. Work. Exp.: N. Tex. State Coll., Denton, Asst., 1940, Instr., 1947-50, Asst. Prof., 1950---. Mem.: Phi Delta Kappa, Sectry., 1948-50. Areas of Splty.: Mech. Drawing; Carpentry. Travel: S. Amer.; Canada; Mexico; Puerto Rico; Cuba; Trinidad; U.S.. Avoc. Ints.: Wood Carving; Hunting; Fishing.

NELSON, C. L. (l.i.), Instr., Dept. of Shop Practice, Kan. State Coll., Manhattan, Kan..

NELSON, Howard F., Asst. Prof., Univ. of Minn., Minneapolis, Minn.. b.: Aug. 26, 1909, Marshall, Minn.. Married, one child. Edn.: B.S., Rutgers Univ.; M.A., Univ. of Minn.. Exp.: Tchr., Ind. Arts, H. Schl., 1936-45; Dir., Adult Evening Schl., Woodbury, N.J., 1943-45; Tchr., Ind. Arts, Univ. H. Schl., Univ. of Minn., 1945-48; Dept. of Ind. Edn., Univ. of Minn., 1948---. Mem.: A.V.A.; N.E.A.; Minn. Voc. Assn.; Minn. Edn. Assn.; Phi Delta Kappa. Areas of Splty.: Graphic Arts; Crafts; Woodwork; Finishing. Travel: U.S.. Avoc. Ints.: Photo.; Fishing.

NELSON, Maurice J., Prof. of Ind. Arts Edn., State Tchrs. Coll., Mankato, Minn.. b.: Hutchinson, Minn.. Married. Edn.: Diploma, The

Stout Inst., 1915; B.A., ibid, 1935; M.A., Univ. of Minn., 1937. Exp.: Tchr., Pub. Schls., 1912-13, 1915-18; State Tchrs. Coll., Mankato, Minn., 1918—. Publs.: Contbd. to "I.A.V.E.". Mem.: N.E.A.; A.V.A.; A.I.A.A.; N.A.I.T.T.; Minn. Edn. Assn.; Phi Delta Kappa. Areas of Splty.: Drawing; Printing; Woodwork; Metalwork; Admin.; Upholstery. Avoc. Ints.: Red Cross; Breeding of Pure Bred Percheron Horses and Guernsey Cows.

NETHERDA, Anton J., Jr., Instr., Neb. State Tchrs. Coll., Wayne, Neb.. b.: Aug. 3, 1922, Niobrara, Neb.. Married. Edn.: B.A., State Tchrs. Coll., Wayne, Neb., 1948; Grad. Study, 1949. Exp.: Pub. Schls., Knox Co., Neb., 1940-42; Instr., Ind. Arts, State Tchrs. Coll., Wayne, Neb., 1948—. Mem.: Epsilon Pi Tau; Sigma Tau Delta. Areas of Splty.: H. Schl. Ind. Arts; Driver Edn.. Travel: U.S.; Panama; Hawaii. Avoc. Ints.: Safety Edn..

NEUBAUER, G. W., Asst. Prof. of Ind. Arts and Voc. Edn., Univ. of Fla., Gainesville, Fla.. b.: Nov. 22, 1915, Menomonie, Wis.. Married, two children. Edn.: B.S., The Stout Inst., 1938; M.S., ibid, 1944. Exp.: Pocomoke H. Schl., Pocomoke, Md., 1938-44; Titusville H. Schl., Titusville, Fla., 1944-45; Sebring H. Schl., Sebring, Fla., 1946-48; University of Florida, Gainesville, 1948—. Mem.: N.E.A.; A.I.A.A.; A.C.I.A.T.E.; A.A.U.P.; Fla. Ind. Arts Assn.; Epsilon Pi Tau; Phi Delta Kappa; Fla. Edn. Assn.. Areas of Splty.: Woodwork; Drawing. Travel: France; Germany. Avoc. Ints.: Athletics; Reading; Craftwork; Photography.

NEUTHARDT, E. E. (l.i.), Ed.D., Prof., Ind. Arts Div., N.Y. State Coll., for Tchrs., Buffalo, New York.

NEWCOMB, Arthur P., Jr., Instr. in Art Edn., Fla. State Univ., Tallahassee, Fla.. b.: Apr. 29, 1922, Big Piney, Wyo.. Edn.: A.A., Univ. of Calif., Berkeley, 1942; B.A., Calif. Coll. of Arts and Crafts, Oakland, 1949; M.F.A., ibid, 1950. Exp.: Art Tchr., Oakland Pub. Schls., 1949-50; Instr. in Art Edn. and Constructive Design, Fla. State Univ., 1950—. Mem.: Pacific Arts Assn.. Areas of Splty.: Art Edn.; Furniture Design; Jewelry Design; Sculptoring. Travel: U.S.; S. Pacific Area. Avoc. Ints.: Ornithology; Skiing; Outdoor Life; Music.

NEWPORT, H. L., Instr., Purdue Univ., W. Lafayette, Indiana. b.: July 4, 1923, Loganport, Indiana. Married, four children. Edn.: B.S., Purdue Univ., 1948. Exp.: Instr., Purdue Univ.' 1948—. Mem.: Masonic Order. Area of Splty.: Mach. Shop. Avoc. Ints.: Woodwork.

NICHOLS, Charles S., Assoc. Prof. of Ind. Arts, Western Mich. Coll. of Edn., Kalamazoo, Mich.. b.: July 14, 1890, Kalamazoo, Mich.. Mar-

ried, one child. Edn.: Life Certif., Western Mich. Coll. of Edn., 1913; B.A., ibid, 1921; M.A., Univ. of Mich., 1927. Exp.: Tchr., Pub. Schls., 1913-20; Western Mich. Coll. of Edn., Kalamazoo, 1921---. Member: N.E.A.; Mich. Ind. Edn. Soc.; Mich. Edn. Assn.. Areas of Splty.: Hand Woodwork; Cabinetmaking; Pattern Making; Wood Finishing; Occup. Therapy; Rural Edn. Shop. Travel: U.S.. Avoc. Ints.: Travel; Instrumental Music; Golf; Bowling.

NICHOLS, Dwight W., Dir. of Ind. Arts, San Francisco State Coll., San Francisco, Calif.. b.: July 28, 1911, Jackson, Ohio. Married. Edn.: B.S., The Stout Inst., 1941; M.S., ibid, 1947; Ph.D. Candidate, Ohio State Univ.. Exp.: Ind. Arts Tchr. Edn., 5 yrs.; Pub. Schl. Teaching, 13 yrs.; Furn. Mfg.. Mem.: A.I.A.A.; International Graphic Arts Edn. Assn., Regional V. Pres.; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Wood; Metal; Graphic Arts; Drawing; Electricity; Education. Travel: U.S.. Avoc. Ints.: Motion Picture Photography.

NIESSNER, Gordon G., Instr., Southern State Tchrs. Coll., Springfield, S.D.. b.: Apr. 8, 1923, Waseca, Minn.. Married, one child. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1949; Working on M.S.. Exp.: Residential, Ind., and Rural Electrician, 3 yrs.; Instr., Southern State Tchrs. Coll., Springfield, S.D., 1949---. Mem.: A.V.A.; N.E.A.; S. D. Edn. Assn.; Epsilon Pi Tau. Areas of Splty.: Electricity; Woodwork; Drawing. Travel: Hawaii; Mariannas; U.S.. Avoc. Ints.: Cabinetmaking; Hunting; Fishing; Aviation.

NILES, Rex A., (l.p.) Assoc. Prof. of Ind. Arts, Neb. Wesleyan Univ., Lincoln, Neb.. b.: Aug. 23, 1902, Hopkins, Mo.. Married, two children. Edn.: B.S., Neb. Wesleyan Univ., Lincoln, Neb., 1932; M.S., ibid, 1949. Exp.: Rural Schl. Teaching, 1921-23; Jr.-Sr. H. Schl., Lincoln Pub. Schls., Lincoln, Neb., 1925-42; Gen. Farming, 1942-46; Neb. Wesleyan Univ., Lincoln, Neb., 1946---. Areas of Splty.: Drafting; Woodwork; Welding; Gen. Metals.

NIX, Victor C., Instr., Univ. of Ga., Athens, Ga.. b.: Mar. 1, 1921, Carrolton, Ga.. Married. Edn.: B.S., Univ. of Ga.. Exp.: Instr., demonstration Schl., 1948-50; Instr., Ind. Arts, Univ. of Ga., 1950---. Areas of Splty.: Metalwork; Mech. Drawing; Arts and Crafts.

NOAKES, Geoffrey B., Asst. Prof. of Ind. Arts, Fresno State Coll., Fresno, Calif.. b.: Jan. 25, 1899, London, England. Married, three children. Edn.: Voc. Arts Diploma, Univ. of Calif., 1932; Ind. Arts Cert., Santa Barbara Coll., 1934; B.A., Fresno State Coll., Fresno, Calif., 1948. Exp.: Bldg. Construction, 1922-30; Tchr., Counselor, Chair. of Mech. Arts Dept., Taft Union H. Schl. and Jr. Coll., Taft,

Calif., 1931-43; Conf. Leader, Ind. Training Service, Bur. of T. & I. Edn., Calif. State Dept. of Edn., 1943-45; Tech. Instr., Warton Amer. Tech. Schl., 1945-46; Ind. Arts Dept., Fresno State Coll., 1946---. Publs.: Contbd. to "Ind. Edn."; "Amer. Builder and Bldg. Age"; Co-author of Books 1, 2, and 3, Calif. Veterans Apprenticeship Training Course in Carpentry. Mem.: A.V.A.; Calif. Ind. Edn. Assn., V. Pres., Cent. Sect., 1948, Pres., 1949, Mem. of Exec. Council, 1948-49; Epsilon Pi Tau, Charter Mem., Lambda Chapt.; Fresno City Ind. Arts Tchrs. Club. Areas of Splty.: Woodwork; Arch. Drafting; Carpentry. Travel: U.S.; Canada; England; Europe. Avoc. Ints.: Fishing; Mt. Camping.

NORRIS, Hugh, Prof. and Dir. of Ind. Arts Edn., E. Central State Coll., Ada, Okla.. b.: July 21, 1888, Kaufman, Tex.. Married, two children. Edn.: B.A., E. Central State Coll., 1920; B.S., Kan. State Tchrs. Coll., 1922; M.S., Columbia Univ., 1927; Other Grad. Study. Exp.: Tchr., Ind. Arts, H. Schls. of Tex., Kan., and Okla., 1914-18; Dir. of Ind. Arts, E. Central State Coll., Ada, Okla., 1919---. Publs.: Contributed to various magazines. Mem.: A.V.A.; Okla. Edn. Assn.; N.A.I.T.T.; Okla. Ind. Arts Assn., past treas.; Okla. Voc. Assn.. Areas of Splty.: Woodwork; Drafting. Travel: U.S.. Avoc. Ints.: Civic and Community Work.

NORRIS, J. T., Jr., (l.i.), Instr., Dept. of Ind. Edn., The A. and T. Coll. of N.C., Greensboro, N.C..

OAKLAND, Milo T., Head of Ind. Arts Dept., Assoc. Prof., North. Ill. State Tchrs. Coll., De Kalb, Ill.. b.: Dec. 22, 1893, Lee, Ill.. Married, two children. Edn.: B.S., Ill. Inst. of Tech., 1928; M.A., Ohio State Univ., 1935. Exp.: Instr., N. Ill. State Teachers Coll., 1915---. Mem.: N.E.A.; I.E.A.; A.V.A.; I.V.A.; Nat. Graphic Arts Edn. Assn.; A.I.A.A.; A.C.I.A.T.E.; Exec. Sec., 1952---; Epsilon Pi Tau; Phi Delta Kappa. Areas of Splty.: Graphic Arts; Draw.. Travel: U.S.. Avoc. Ints.: Graphic Arts; Golf.

OAKLEY, Hugh L., Head, Dept. of Ind. Arts, Murray State Coll., Murray Ky.. b.: Nov. 12, 1914, Cadiz, Ky.. Married, two children. Edn.: B.S., West. State Coll., Bowling Green, Ky., 1936; M.Ed., Univ. of Mo., 1946. Exp.: Instr., Ind. Arts and Voc. Ind. Edn., Georgetown City Schls., Georgetown, Ky., 1936-39; Instr., Supv. of Ind. Arts, Lexington City Schls., Lexington, Ky., 1939-41; U.S.N.A.T.T.C., 1941-46; Head, Dept. of Ind. Arts, Murray State Coll., Murray, Ky., 1946---. Mem.: K.E.A.; N.E.A.; A.V.A.; A.I.A.A.; K.I.A.A.; Miss. Valley Ind. Arts Conf.; Ky. Assn. of Ind. Arts Tchr. Trainers; Phi Delta Kappa. Areas of Splty.: Methods and Theory Courses; Drafting. Travel: U.S.. Avoc. Ints.: Hunting; Fishing; Sports.

OATMAN, Olan C., Instr., S. W. Mo. State Coll., Springfield, Mo.. b.: Oct. 22, 1922, Henryetta, Okla.. Married, one child. Edn.: B.S., S. W. Mo. State Coll., 1950. Exp.: Winslow Marine and Shipbldg. Corp., 1942-44; U. S. Army, 1944-46; Trailmobile Co., 1946-47; Tchr. of Ind. Arts, H. Schl., 1950-51; S. W. Mo. State Coll., 1951—. Mem.: N.E.A.; Mo. State Tchrs. Assn.. Area of Splty.: Woodworking. Travel: New Guinea; Leyte; Luzon; Okinawa; Japan; U.S.. Avoc. Ints.: Fishing; Hunting; Hiking.

OHLSON, Gus, Instr. of Ind. Arts, San Jose State Coll., San Jose, Calif.. b.: June 9, 1921, Sacramento, Calif.. Married. Edn.: B.A., San Jose State Coll., San Jose, Calif., 1946. Exp.: Journeyman Printer, 1939—; Instr., San Jose State Coll., San Jose, Calif., 1950—. Mem.: Epsilon Pi Tau. Area of Splty.: Graphic Arts. Travel: Hawaii; Alaska; Costa Rica. Avoc. Ints.: Swimming; Diving; Radio.

OLEWINE, Laurence, Instr., State Univ. of N.Y., Tchrs. Coll., Oswego, N.Y.. b.: Mar. 18, 1922, Phil., Pa.. Married. Edn.: B.S., State Tchrs. Coll., Millersville, Pa., 1943; M.Ed., Boston Univ., 1947; Cand. for Ph.D., Univ. of Md.. Exp.: H. Schl. Tchr., Kutztown, Pa., 1943; Instr., Worcester Poly. Inst., 1946-48; Instr., Univ. of Md., 1949; Instr., State Tchrs. Coll., Oswego, N.Y., 1949—. Mem.: Epsilon Pi Tau; Phi Delta Kappa; Iota Lambda Sigma; Phi Sigma Pi; A.I.A.A.; A.V.A.; N.E.A.. Areas of Splty.: Graphic Arts; Gen. Shop; Draw. and Design. Avoc. Ints.: Weaving; Sketching; Design; Hiking; Music; Reading.

OLSEN, Kay Theodore, Asst. Prof., The Stout Inst., Menomonie, Wis.. b.: July 9, 1905, Copenhagen, Denmark. Married, two children. Edn.: B.S., Ia. State Coll., 1930; M.S., ibid, 1936. Exp.: Tchr., Auto Mechs., Mach. Shop Gen. Shop, Sr. H. Schl., 1930-32; Tchr., Drawing, Gen. Metal, Gen. Woodwork, Jr. H. Schl., 1932-38; Tchr., Gen. Woodwork, Orientation Shop, Sr. H. Schl., 1938-47; The Stout Inst., Menomonie, Wis., 1947—. Publs.: Contbd. to "I.A.V.E."; "The Ia. Engr.". Mem.: A.V.A.; N.A.I.T.T.; A.A.U.P.; A.I.A.A.; Wis. Edn. Assn.; Epsilon Pi Tau; Alpha Phi Omega. Areas of Splty.: Woodwork; Plastics; Carpentry. Travel: U.S.; Denmark; Norway. Avoc. Ints.: Reading; Gardening; Woodwork; Photography.

OLSEN, Otto C., Prof., Neb. State Tchrs. Coll., Kearney, Neb.. b.: Oct. 21, 1887, Lilley, Mich.. Married, two children. Edn.: B.A., Neb. State Tchrs. Coll., Kearney, Neb., 1919; B.S., The Stout Inst., Menomonie, Wis., 1931; M.A., Univ. of Mo., Columbia, Mo., 1935. Exp.: Supt. of Schls., Wauneta, Neb., 1915-18; Instr., Ind. Arts, Neb. State Tchrs. Coll., Kearney, Neb., 1919-38, Head, Voc. Arts Div., 1939—. Mem.:

N.E.A.; N.A.I.T.T.; A.I.A.A.; A.C.I.A.T.E.; A.A.U.P., Past Pres., Local Chapt.; Neb. State Tchrs. Assn.; Neb. Ind. Arts Tchrs. Assn., Past Pres.; Local Tchrs. Assn., Past Pres.; Schoolmasters Club, Neb.; Miss. Valley Ind. Arts Conf.. Areas of Splty.: Woodwork; Traffic Safety. Travel: U.S.. Avoc. Ints.: Farming; Stock Raising.

OLSEN, William L., Jr., Instr., James Millikin Univ., Decatur, Ill.. b.: July 10, 1922, Lincoln, Ill.. Married, two children. Edn.: B.S., James Millikin Univ.. Exp.: Instr., James Millikin Univ., 1946---. Areas of Splty.: Machine Shop; Woodwork; Foundry. Travel: U.S.; Mexico; Cuba. Avoc. Ints.: Woodwork.

OLSON, Delmar W., Professor, Kent State Univ., Kent, Ohio. b.: June 23, 1909, Alden, Minn.. Married, two children. Edn.: B.S., Ia. State Coll., 1934; M.A., Ohio State Univ., 1937; Other Study. Exp.: Auto Mech. and Mach., 1926-29; Civil Engr., 1929-31; Commercial Artist, 1931-34; Tchr., Ind. Arts, H. Schl., 1935-36; Supv. of Ind. Arts, Clinton County, Ohio, 1937-40; Asst. Prof. of Ind. Edn., Southern Ill. Univ., 1940-43, 1944-46; Supv. of Tech. Training, Glenn L. Martin-Nebraska Co., 1943-44; Prof. of Ind. Arts, Kent State Univ., Kent, Ohio, 1946---. Publs.: Aircraft Riveting; Mech. Drawing for Inspectors; Contbd. to "I.A.V.E.", "Pop. Mechanics", "Pop. Science", and "Schl. Shop". Mem.: A.C.I.A.T.E.; D.I.A.A.; N.E.D.I.A.A.; A.I.A.A.; N.A.I.A.T.T.; A.V.A.; Phi Kappa Phi; Epsilon Pi Tau, Trustee, Alpha Theta Chapter. Area of Splty.: Ceramics; Design; Gen. Shop. Travel: U.S., Canada. Avoc. Ints.: Sunday Schl. Supt.; Bd. of Edn.; Community Council; Gardening; Photo.; Writing.

OLSON, Howard C., Instr., State Tchrs. Coll., Platteville, Wis.. b.: May 1, 1904, Springvalley, Wis.. Married, three children. Edn.: B.S., Stout Inst., Menomonie, Wis., 1935; M.S., ibid, 1946. Exp.: Apprentice, Bldg. and Const., 1920-25; Tchr., Elem. Edn., 1925-33; Instr., T. & I. Edn., 1935-37, Coordinator, 1937-44; Auto. Dealer, 1944-47; Coll. Ind. Arts Tchr. Trainer, 1947---. Mem.: N.A.I.T.T.; A.I.A.A.; N.E.A.; W.E.A.; W.A.T.C.; Epsilon Pi Tau. Areas of Splty.: Woodwork; Drawing; Crafts; Driver Edn.. Travel: U.S.. Avoc. Ints.: Horticulture; Fishing; Crafts.

OSBORN, F. C. (l.i.), M.A., Prof. and Hd., Dept. of Ind. Arts and Ind. Edn., Ariz. State Coll., Flagstaff, Arizona.

OSBURN, Burl N., Dir., Ind. Arts Edn., State Tchrs. Coll., Millersville, Pa.. b.: Jan. 27, 1896, Ladoga, Indiana. Married, three children. Edn.: B.A., Ia. State Tchrs. Coll., Cedar Falls, Ia., 1923; M.A., The Ohio State Univ., Columbus, Ohio, 1931; Ph.D., ibid, 1939. Exp.: Tchr.,

Kingsley, Ia., 1915-16, 1917-18; Tchr., Pub. Schls., Sioux City, Ia., 1918-23, 1924-25; Prin., Elem. Schl., Sioux City, Ia., 1925-30; Instr., Ia. State Tchrs. Coll., 1922; Instr., Dir. of Ind. Arts Edn., State Tchrs. Coll., Millersville, Pa., 1932—; Instr., Ohio State Univ., Columbus, Ohio, Summer Sessions, 1931-41; Operated Book Rebinding Business for 8 yrs.. Publs.: Measured Drawings of Early Amer. Furniture, with Mrs. Osburn; Pewter: Spun, Wrought, and Cast, with Gordon O. Wilber; Exploring the Graphic Arts, with Anthony Marinnacio; Home Course in Bookbinding; Check List of the Woodcut Bookplates of J. J. Laukes; Constructive Design; Numerous Mag. Contributions. Mem.: A.I.A.A.; A.C.I.A.T.E.; N.E.A.; A.A.U.P.; Amer. Inst. of Graphic Arts; Pa. State Edn. Assn.; Pa. Guild of Craftsmen; Lancaster Co. Art Assn.; Amer. Craftsmen's Edn. Council, Mem. Bd. of Dirs.; Epsilon Pi Tau; Phi Delta Kappa; Delta Sigma Rho. Areas of Splty.: Drawing; Design; Graphic Arts. Travel: U.S.. Avoc. Ints.: Music; Print Collecting; Bookplate Collecting; Private Press.

OSWALT, Malcom, Instr., Cameron State Agri. Coll., Lawton, Okla.. b.: Dec. 19, 1907, Comanche Co., Okla.. Married, four children. Edn.: B.A., Southwestern State Coll., Weatherford; M.S., Okla. Univ.. Exp.: Ind. Work, 5 yrs.; Teaching, 15 yrs.. Mem.: N.E.A.; Okla. Edn. Assn.; Okla. Ind. Arts Assn.. Areas of Splty.: Woodwork; Crafts.

PACKARD, Eugene W., Assoc. Prof. of Ind. Edn., Ark. State Tchrs. Coll., Conway, Ark.. b.: July 19, 1900, Warren, Ark.. Married, two children. Edn.: B.S., W. Tenn. State Tchrs. Coll., Memphis, 1931; M.A., Geo. Peabody Coll. for Tchrs., Nashville, Tenn., 1939. Exp.: Tchr., Ind. Edn., H. Schls., 1925-29; Tchr., Ind. Edn., Gen. Science, Music, W. Tenn. State Tchrs. Coll., Training Schl., Memphis, 1931-36; Tchr., Ind. Edn., Gen. Science, H. Schl., Osceola, Ark., 1936-41; Ark. State Tchrs. Coll., Conway, 1942—. Mem.: N.E.A.; A.I.A.A.; Ark. Edn. Assn.; Ark. Ind. Arts Assn., Exhibit Com.; Kiwanis International. Areas of Splty.: Woodwork; Gen. Shop; Drafting. Travel: U.S.. Avoc. Ints.: Fishing; Travel; Music; Athletics.

PACKARD, Everett Sherman, Instr., Registrar, Dean of Men, Gorham State Tchrs. Coll., Gorham, Me.. b.: Mar. 22, 1902, Cumberland Ctr., Me.. Married, two children. Edn.: Diploma, Gorham Norm. Schl., Gorham, Me., 1924; B.S., Rutgers Univ., New Brunswick, N.J., 1934; M.A., N.Y. Univ., 1949. Exp.: Taught at the following: East. State Norm. Schl., Castine, Me., 1924-26; Wellesley Hills Jr. H. Schl., Wellesley Hills, Mass., 1926-27; Gorham State Tchrs. Coll., Gorham, Me., 1927—; Warton Amer. Tech. Schl., Warton, England, 1945-46. Mem.: N.E.A.; A.V.A.; N.E.A., Dept. of Higher Edn.; Cumberland Co. Tchrs. Assn.;

Me. Tchrs. Assn.; Me. Ind. Arts Assn.; Me. Voc. Assn.; N.E.I.A.A.; The Danforth Foundation for the Promotion of Christianity on the H. Schl. and Coll. Campus, Hon. Mem.; Blue Lodge of Masons, Past Master, Past Sectry., 32 Degree Mason.; Kiwanis Club, Chair. of Achievement. Areas of Splty.: Graphic Arts; Gen. Shop. Travel: British Isles. Avoc. Ints.: Farming; Lobstering.

PAGE, C. B. (l.i.), M.S., Asst. Prof., Ind. Arts Dept., Chico State Coll., Chico, California.

PAIGE, F. Theodore, Asst. Prof., Ohio Univ., Athens, Ohio. b.: Jan. 13, 1909, La Porte, Ia.. Married, two children. Edn.: B.S., Ia. State Tchrs. Coll., 1930; M.A., The State Univ. of Ia., 1933. Exp.: H. Schl. Teaching in Ia. and Ill., 1928-36; Instr., Ohio Univ., Athens, 1937—; U.S. Navy, 2 yrs.. Mem.: A.I.A.A.; Ohio Edn. Assn.; Southeastern Ohio Tchrs. Assn.; Ohio Ind. Arts Assn., Treas.; Epsilon Pi Tau. Areas of Splty.: Woodwork; Ceramics; Drawing and Design. Travel: Panama; U.S.. Avoc. Ints.: Sports; Reading; Gardening.

PALMER, H. G., Prof., Head, Dept. of Ind. Arts, Ia. State Tchrs. Coll., Cedar Falls, Ia.. b.: Mar. 31, 1897, Cedar Falls, Ia.. Married, three children. Edn.: Man. Arts Diploma, Ia. State Tchrs. Coll., 1917; B.A., ibid, 1923; M.A., State Univ. of Ia., 1932; Ph.D., Ohio State Univ., 1950. Exp.: Instr., Ind. Arts, 1924-35; Asst. Prof., Ind. Arts, 1935-48; Assoc. Prof., Ind. Arts, 1948-50; Act. Head of Dept., 1942-48; Head of Dept., 1948—; Prof., Ind. Arts, 1950—. Publs.: Ten mag. articles dealing with Ind. Arts in pub. schls., 1925-50; Evaluation of Ind. Arts, Ohio State Univ.; Evaluative Criteria, 1942. Mem.: I.S.E.A.; N.E.A., Ind. Arts Rep. Fed. Aid to Edn., 1947; A.I.A.A., Past Pres., State Rep.; A.A.U.P.; Phi Delta Kappa; Amer. Assn. of Curr. Dev.; A.C.I.A.T.E.; White House Conf. on Edn., 1950; U.S. Off. Ind. Arts Rep., 1947. Areas of Splty.: Evaluation; Curr.; Woods; Drawing; Metals. Travel: U.S.; Europe. Avoc. Ints.: Farming; Music; Community Service; Rotary.

PALMER, M. (l.i.), Prof., Ind. Arts Dept., Superior State Coll., Superior, Wisconsin.

PALMETER, W. C., Jr. (l.i.), B.S., Instr., Ind. Arts Div., N.Y. State Coll. for Tchrs., Buffalo, N.Y..

PARKS, Chester A., (l.p.) Instr., Lab. Schl., State Tchrs. Coll., St. Cloud, Minn.. b.: Feb. 10, 1923, New Hampton, Mo.. Married, one child. Edn.: B.S., N.W. Mo. State Coll., 1946; M.A., Colo. State Coll. of Edn., 1949. Exp.: Tchr., Ind. Arts, Pub. Schls., Rolla, Mo., 1946-48; Supv. of Ind. Arts, Lab. Schl., State Tchrs. Coll., St. Cloud, Minn.,

1949---. Mem.: N.E.A.; N.A.I.T.T.; A.C.I.A.T.E.; Phi Delta Kappa; Delta Phi Delta; Minn. Edn. Assn.. Areas of Splty.: Ind. Arts. Travel: Japan and Pacific Area. Avoc. Ints.: Lapidary and Jewelry.

PATON, Andrew W., Assoc. Prof. of Ind. Arts, Kent State Univ., Kent, Ohio. b.: Nov. 5, 1908, Carrington, N.D.. Married, four children. Edn.: B.S., Wooster Coll., Wooster, Ohio, 1931; B.S., Kent State Univ., Kent, Ohio, 1933. Exp.: Pub. Schl. Teaching, 1933-36; Pub. Schl. Admin., 1936-41; Aviation Service Engrn., 1942-43; Kent State Univ., Kent, Ohio, 1941--. Mem.: N.A.I.T.T.; N.E.A.; Ohio Edn. Assn.; N.E. Ohio Edn. Assn.; Univ. Aviation Assn.; Kappa Delta Pi; Epsilon Pi Tau; Theta Chi Delta; N.E. Ohio Ind. Arts Assn.. Area of Splty.: Aviation. Travel: Europe; Canada; U.S.. Avoc. Ints.: Photo.; Gunsmithing.

PATTERSON, E. K. (l.i.), B.S., Instr., Ind. Arts Edn., Agricultural, Mechanical and Normal Coll., Pine Bluff, Arkansas.

PATTERSON, R. A. (l.i.), Mech., Ind. Arts Edn., Ala. Polytechnic Inst., Auburn, Alabama.

PAWELEK, Alan R., Chrm., Ind. Arts Dept., Western Washington Coll. of Ed., Bellingham, Washington. b.: Mar. 11, 1914, Thorp, Wis.. Married. Edn.: B.E., Winona State Tchrs. Coll., Winona, Minn., 1936; M.A., Univ. of Minn., 1938; Ph.D., ibid, 1950. Exp.: H. Schl., Rapidan, Minn., 1936-38; H. Schl., Arlington, Minn., 1938-41; Detroit Pub. Schls., 1941-42; Instr., U.S.A.A.F., 1942-44; Instr., Brazilian Air Force, Brazil, 1944-46; U.S. Armed Forces Inst., Japan, 1946-47; Ball State Tchrs. Coll., 1947-51; Western Wash. Coll. of Ed., Bellingham, Wash., 1951---. Publs.: Contbd. to: "I.A.V.E."; "Minn. Jour. of Edn."; "Edn."; Mem.: N.E.A.; A.V.A.; N.A.I.T.T.; I.V.A.; I.I.E.A.; I.T.A.; Kappa Delta Pi; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Electricity; Aeronautics. Travel: S. Amer.; Puerto Rico; Mexico; Panama; Canada; Hawaii; Japan; U.S.. Avoc. Ints.: Athletics; Music.

PEASE, Lawrence N., Dean of Student Affairs and Instr. of Ind. Arts, General Beadle State Tchrs. Coll., Madison, S.D.. b.: Oct. 9, 1892, Quincy, Ill.. Married. Edn.: B.S., Bradley Poly. Inst., Peoria, Ill., 1926; Grad. Study. Exp.: Instr., Ind. Arts, H. Schl., 1914-18; Instr., Ind. Arts, Coll., 1919---; U.S. Army, 1918. Publs.: Contbd. to "S.D. Edn. Assn. Mag."; "Field and Stream". Mem.: S.D. Edn. Assn.; Phi Sigma Pi, Past Natl. Treas., Past Natl. Pres.; N.E.A.. Areas of Splty.: Shop; Drawing; Radio. Travel: U.S.. Avoc. Ints.: Hunting; Gunsmithing; Fishing; Radio.

PEDERSON, H. A., Dir., Ind. Arts Div., State Tchrs. Coll., Platteville, Wis.. b.: Dec. 23, 1905, Minneapolis, Minn.. Married, two chil-

dren. Edn.: Certif., State Tchrs. Coll., St. Cloud, Minn., 1932; B.S., Univ. of Minn., 1935; M.A., ibid, 1940. Exp.: Tchr., Ind. Arts, Science, H. Schl., Fariboult, Minn., 1935-41; Tchr. Training, Fort Knox, Ky., 1942-45; Dir., Ind. Arts Div., State Tchrs. Coll., Platteville, Wis., 1946---; Bridge and Railroad Const.. Publs.: Contbd. to several mags.; Co-author of Safety Bulls. for A.I.A.A.. Mem.: A.V.A.; N.A.I.T.T.; A.I.A.A., Chair., Safety Com.; A.C.I.A.T.E.; N.E.A.; Wis. Ind. Arts Assn., V. Pres., 1950-51; Wis. Edn. Assn.; Assn. of Wis. Tchrs. Colls.. Areas of Splty.: Profnl. Courses; Woodwork; Arch. Drafting. Avoc. Ints.: Home Bldg., Repairing; Reading; Outdoor Life; Craft Work.

PEIFER, F. E., Asst. Prof. of Ind. Arts, San Jose State Coll., San Jose, Calif.. b.: May 14, 1893, Shelby County, Ill.. Married, one child. Edn.: B.A., San Jose State Coll., San Jose, Calif., 1948. Exp.: San Jose State Coll., San Jose, Calif., 1948---. Mem.: A.V.A.; Calif. Ind. Edn. Assn.; Epsilon Pi Tau. Area of Splty.: Drafting. Travel: Northern Hemisphere. Avoc. Ints.: Farming; Metalcraft; Woodwork.

PELTS, Jones Robert, Asst. Prof., Ga. Tchrs. Coll., Collegeboro, Ga. b.: Mar. 20, 1917, Kennett, Mo.. Married, one child. Edn.: B.S., S. East Mo. State Coll., 1950; M.A., Peabody Coll., 1950. Exp.: Ga. Tchrs. Coll., 1950---. Mem.: A.I.A.A.; N.E.A.; Ga. Edn. Assn.. Area of Splty.: Critic Teacher; Woodwork; Ceramics. Travel: U.S.; Hawaiian Islands; New Guinea; Philippines. Avoc. Ints.: Landscape Paint.; Refinishing Antique Furniture.

PENDERED, Norman C., Instr., State Tchrs. Coll., Millersville, Pa.. b.: Nov. 12, 1917, Jermyn, Pa.. Married. Edn.: B.S., State Tchrs. Coll., Millersville, Pa., 1940; M.Ed., Pa. State Coll., State Coll., Pa., 1947; Ed.D., ibid, 1951. Exp.: Jr. H. Schl., Sunbury, Pa., 1940-45; Personnel Interviewer, U.S.N., 1945-46; Sr. H. Schl., Sunbury, Pa., 1946-47; Pa. State Coll., Part Time, 1947-49; State Tchrs. Coll., Millersville, Pa., 1949---. Mem.: A.I.A.A.; A.A.U.P.; N.E.A.; P.I.E.A.; Iota Lambda Sigma; Phi Delta Kappa. Avoc. Ints.: Home Movies; Leather Work.

PENNY, Forest L., Instr., Kan. State Tchrs. Coll., Pittsburg, Kan.. b.: June 27, 1918, Fredonia, Kan.. Married, one child. Edn.: B.S., Kan. State Tchrs. Coll., 1941; M.A., ibid, 1948. Exp.: Durham Sr. H. Schl., Durham, Kan., 1941-42; Stud. Asst., Kan. State Tchrs. Coll., 1946-48; Instr., ibid, 1948. Mem.: Epsilon Pi Tau; A.I.A.A.; A.A.U.P.. Areas of Splty.: Drafting; Upholstering; Finishing. Avoc. Ints.: Crafts; Home Workshop.

PENNYMON, Henry W., Hd., Dept. of Auto-Mechanics, Ark. A. & M. Coll., Pine Bluff, Ark.. b.: Sept. 29, 1921, Pine Bluff, Ark.. Married,

one child. Edn.: B.S., Ark. A. & M. Coll., 1947; M.A., Univ. of Mich., 1949; Other Grad. Study. Exp.: U.S. Army, 1942-46; Instr., Ark. A. & M. Coll., 1947--. Mem.: N.E.A.; A.T.A.; A.V.A.; A.I.A.A.; Epsilon Pi Tau. Areas of Splty.: Auto-Mechanics; Bldg. Construction. Travel: Africa; Italy; Corsica; Sardinia; Canada; France; Germany; Switzerland. Avoc. Ints.: Cabinetmaking; Gen. Bldg. Construction.

PERKINS, I. C. (l.i.), M.A.A., Prof. and Dir., Ind. Arts Div., N.Y. State Coll. for Tchrs., Buffalo, New York.

PERKINS, Neal B., State Tchr. Trainer, Univ. of Vermont and State Agri. Coll., Burlington, Vt.. b.: Mar. 6, 1919, Franklin, N.H.. Married, two children. Edn.: B.Ed., Keene State Tchrs. Coll., Keene, N.H.; Working on M.Ed.. Exp.: Mach., 1940-47; Tchr., Ind. Arts, 1942-43; Tchr., Voc. Ind. Edn., 1947-50. Mem.: N.A.I.T.T.; Vt. Voc. Assn.; Iota Lambda Sigma. Area of Splty.: Mach. Shop and Related Subjects. Avoc. Ints.: Home Workshop; Hunting; Fishing.

PERRY, Donald E., Instr., Ohio Univ., Athens, Ohio. b.: Jan. 22, 1919, N. Fairfield, Ohio. Married, two children. Edn.: B.S., Ohio Univ., Athens, 1940; M.S., ibid, 1949. Exp.: H. Schl. Tchr., Ohio, 1940-44; Instr., Ohio Univ., Athens, 1947--. Mem.: A.I.A.A.; Southeastern Ohio Tchrs. Assn.; Ohio Edn. Assn.; Epsilon Pi Tau. Areas of Splty.: Crafts; Electricity and Power; Driver Edn.. Travel: U.S.. Avoc. Ints.: Sports; Reading; Gardening.

PERRY, Isaiah B., Assoc. Sr. Instr., Hampton Inst., Hampton, Va.. b.: Aug. 17, 1920, Portsmouth, Va.. Married, three children. Edn.: B.S., Hampton Inst., Hampton, Va., 1948. Exp.: U.S. Navy Training Schl., 1942-45; Instr., Hampton Inst., Hampton, Va., 1945--. Mem.: A.V.A.; Amer. Tech. Assn.. Areas of Splty.: Mach. Shop; Drafting.

PERRY, Kenneth F., Chair., Div. of the Arts, Prof. of Ind. Arts, Colo. State Coll. of Edn., Greeley, Colo.. b.: Nov. 1, 1902, Pueblo, Colo.. Married, three children. Edn.: B.A., Colo. State Coll. of Edn., 1924; M.A., ibid, 1927; Ph.D., Columbia Univ., 1941. Exp.: Tchr., Ind. Arts: Riverside H. Schl., Ft. Worth, Texas, 1925-26; Grant Jr. H. Schl., Denver, Colo., 1926-27; Instr., Colo. State Coll. of Edn., 1927--. Publs.: The Binding of Books, co-author; A Diversified Arts Program. Mem.: Kappa Delta Pi, Counselor Theta Chapt.; Phi Delta Kappa; Pi Kappa Delta; Alpha Psi Omega; Delta Phi Delta; A.C.I.A.T.E., V. Pres., 1952--; A.I.A.A.; A.V.A.; Natl. Assn. of Ind. Tchr. Educators. Areas of Splty.: Wood; Draft.; Bookbinding. Travel: U.S.. Avoc. Ints.: Hunting; Fishing; Color Photography; Rodeo Announcing; After Dinner Speaking.

PETERSON, G. G., Asst. Prof. of Ind. Arts, San Jose State Coll., San Jose, Calif.. b.: Feb. 2, 1917, Carbondale, Ill.. Married, three children. Edn.: B.Ed., Southern Ill. Univ., 1941; M.A., Ohio State Univ., 1946; Other Grad. Study. Exp.: Radio Engr. at the following: Radio Mfg. Engrs., Peoria; Ill., 1936-38; Stewart Warner Inc., Chicago, Ill., 1939-40; Airadio Inc., Stamford, Conn., 1942-43; Hathaway Instrument Co., Denver, Colo., 1943-45; Tchr., Gahanna Union H. Schl., Gahanna, Ohio, 1941-42; Tchr., Pueblo Jr. Coll., Colo., 1945-47; San Jose State Coll., Calif., 1947---. Mem.: Epsilon Pi Tau; Phi Delta Kappa. Areas of Splty.: Electronics; Woodwork; Mach. Shop. Travel: Northern Hemisphere. Avoc. Ints.: House Planning; Amateur Radio, W6ATX.

PFEIFFER, Carl F., Instr., N.Y. Univ., Wash. Square, N.Y.C.. b.: Sept. 4, 1918, Yonkers, N.Y.. Married, one child. Edn.: B.S., Buffalo State Tchrs. Coll., 1940; M.A., N.Y. Univ., 1949. Exp.: Tchr., Ind. Arts, Mayville Central Schl., Mayville, N.Y., 1940-42; Instr., Air-craft Maint., Norman Okla., 1942-43; Tchr., Ind. Arts, Hastings-on-Hudson H.S., Hastings, N.Y., 1946-47; Instr., Voc. Ed. Dept., N.Y. Univ., 1947---. Mem.: Epsilon Pi Tau. Areas of Splty.: Woodworking; Educational Toys and Games.

PHILLIPS, Kenneth, Assoc. Prof. and Chair., Ind. Arts Dept., San Diego State Coll., San Diego, Calif.. b.: Jan. 12, 1920, Buffalo, N.Y.. Married, two children. Edn.: B.S., State Tchrs. Coll., Buffalo, N.Y., 1942; M.A., Ohio State Univ., 1947; Ph.D., ibid, 1950. Exp.: Coach of Diving and Swimming, Buffalo Athletic Club, 1939-42; Chair., Ind. Arts Dept., Elmira Hghts. H. Schl., Elmira Hghts., N.Y., 1942-43; Officer, U.S.A.A.F., 1943-46; Instr., Ohio State Univ., 1947-49; Chair. and Assoc. Prof. of Ind. Arts, San Diego State Coll., 1950---; Ind. Exp. as Machinist and Bldg. Contractor. Publs.: National Salary Survey, 1948; New Curriculum, Co-author, 1947. Mem.: A.I.A.A.; Calif. Ind. Edn. Assn.; San Diego Ind. Edn. Assn.; Epsilon Pi Tau; Kappa Phi Kappa; Phi Delta Kappa; San Diego Bldg. and Const. Ind. Committee of the Chamber of Commerce. Areas of Splty.: Woodwork; Metalwork; Printing; Electricity; Drafting; Handicrafts. Travel: U.S.; England; France; Holland; Germany; Switzerland; Belgium; Denmark; Canada; Mexico; Avoc. Ints.: Officiating and Coaching Swimming and Diving; Photo.; Arts and Crafts; Consultant to Quality Control Depts. of Ind..

PICKETT, Ralph E., Assoc. Dean, Dir. of Summer Sessions, N.Y. Univ., Wash. Square, N.Y.C.. b.: Sept. 27, 1896, N.Y.C.. Married, two children. Edn.: B.S., Columbia Univ., 1917; Ph.D., N.Y. Univ., 1924; Licensed Professional Eng., Univ. of the State of N.Y., 1924; Post-grad. work in psychiatry and psychology, Columbia Univ., 1922-

24. Exp.: Head of Scientific Dept., Columbia Grammar Schl., 1919-20; Tchr. N.Y.C. schls., 1923-24; Office Mgr., Estimator, and Construction Supt., 1914-17; Mgr., Supply Co., 1917-18; Pres., Jersey Const. Co., 1917-23; Circuit Engr., Western Elec. Co., 1920-22; Sec., Schl. of Edn. Realty Corp. of N.Y. Univ., 1925-36; Asst. Dir., Inst. of Edn., N.Y. Univ., 1925-32; Sec., School of Edn., N.Y. Univ., 1926-45, Instr. in Voc. Edn., 1924-25, Asst. Prof., 1925-26, Assoc. Prof., 1926-28, Prof. of Edn. and Chairman Dept. of Voc. Edn., 1930-48, Asst. Dean, 1935-40, Assoc. Dean, 1940—; Dir. of Summer Sessions of Schl. of Edn.; Dir., N.Y. Univ., Train. Prog. for War Ind., 1942-45; Mem. Board of Edn., Scarsdale, 1942-46; Mem. Advisory Bd., Indsl. Edn. for Print. Ind.; Pvt. Advanced to 2nd Lieut., Signal Corps, Army, 1918. Publs.: Author of numerous articles in newspapers and mag.; Assoc. Ed., "The Clearing House"; Former Assoc. Ed., "Journal of Educational Sociology; Issue Ed. of various magazines. Mem.: A.I.A.A., Fellow A.A.A.S., life; A.C.I.A.T.E.; N.E.A., life; N.Y.S. Voc. Assn., past v. pres.; Natl. Voc. Guid. Assn., prof. mem.; Amer. Assn. Schl. Administrators, life; N.Y.S. Edn. Assn.; N.Y. Voc. Guid. Assn.; Assn. of Deans and Dirs. of Summer Sessions, recorder, 1945; N.Y. Univ. Alumni Assn.; Phi Delta Kappa, past pres., Rho chap.; Kappa Delta Pi; Delta Pi Epsilon; N.Y. Univ. Alumni Meritorious Award, 1946. Clubs: N.Y. Schoolmasters; Faculty, N.Y. Univ., past pres.. Areas of Splty.: Ind. Arts; Voc. Edn.; Prof. Edn.; Guid. and Counseling; Psychology; Engineering; Toys and games. Travel: United States and Canada. Avoc. Ints.: Inventions; Gadgets; Woodcarving; Crafts, Photo.; Fiction Writing; Sports; Contract Bridge; Music; Reading.

PLOUGH, John H., Asst. Prof., Western Mich. Coll. of Edn., Kalamazoo, Mich.. b.: Oct. 29, 1891, Detroit, Mich.. Married, four children. Edn.: B.S., Western Mich. Coll. of Edn., Kalamazoo, 1940; M.A., Univ. of Mich., 1950. Exp.: Tchr., Pub. Schls., Toledo, Ohio, 1920-40; Western Mich. Coll. of Edn., Kalamazoo, 1941—. Mem.: N.E.A.; Mich. Ind. Edn. Soc.; A.I.A.A.. Area of Splty.: Gen. Shop. Travel: Canada.

POLANSKY, Leon, (l.p.) Instr., N.Y. Univ., Wash. Square, N.Y.C.. b.: July 16, 1925, N.Y.C.. Married. Edn.: B.S., N.Y. Univ., 1948; M.A., ibid, 1949. Exp.: Tchr. of Woodcarving, U.S. Army Rehab. Hosp., 1944; Instr. in Ceramics, State Tchrs. Coll., Oswego, N.Y., Summer Session; Instr., N.Y. Univ., 1949—. Mem.: Com. on Art Edn.; Eastern Art Assn.. Areas of Splty.: Ceramics; Essent. of Art and Ind. Art Design; Mech. Drawing. Travel: Scotland; England; France; West Indies; Canada; Columbia, South America. Avoc. Ints.: Sculpture; Hist. of Design.

Avoc. Ints.: History of Furniture; Cabinet Making; Transportation; Flying.

POLANSKY, Leon, (l.p.) Instr., N.Y. Univ., Wash. Square, N.Y.C.. Married. Edn.: B.S., N.Y. Univ., 1948; M.A., ibid, 1949. Exp.: Tchr. of Woodcarving, U.S. Army Rehab. Hosp., 1944; Instr. in Ceramics, State Tchrs. Coll., Oswego, N.Y., Summer Session; Instr., N.Y. Univ., 1949—. Mem.: Com. on Art Edn.; Eastern Art Assn.. Areas of Splty.: Ceramics; Essent. of Art and Ind. Art Design; Mech. Drawing. Travel: Scotland; England; France; West Indies; Canada; Columbia, South America. Avoc. Ints.: Sculpture; Hist. of Design.

POLLOCK, John M., Asst. Prof., Ind. Arts, Univ. of Ga., Athens, Ga.. b.: Nov. 11, 1919, Holdenville, Okla.. Married, two children. Edn.: B.S., Okla. A. & M. Coll., 1942; B.A.A., Kan. City Art Inst. and Schl. of Design, 1947; M.S., Okla. A. & M. Coll., 1948. Exp.: Stud. Instr., Okla. A. & M. Coll., 1947-48; Asst. Prof., Ind. Arts, Univ. of Ga., 1948—. Mem.: A.I.A.A.; Ga. Ind. Arts Assn.; Iota Lambda Sigma; Phi Delta Kappa. Areas of Splty.: Woodwork; Design; Crafts. Travel: Africa; Italy; France; Belgium; Germany.

PORTER, Charles B., Instr. in Ind. Arts, Ill. State Normal Univ., Normal, Ill.. b.: June 8, 1922, Homer, Ill.. Married, two children. Edn.: B.S., Ill. State Normal Univ., 1948; M.S., ibid, 1950. Exp.: Meat Cutter, 1936-42; Electrician and Radio Repairman, 1947-50; Ind. Arts Tchr., H. Schl., 1947-49; Instr., Ill. State Normal Univ., 1950—. Publs.: General Shop Electricity, Dragoo and Porter, McKnight and McKnight, 1952. Mem.: A.A.U.P.; N.E.A.; A.C.I.A.T.E.; A.I.A.A.; Ill. Edn. Assn.; Kappa Delta Pi; Iota Lambda Sigma. Areas of Splty.: Electricity; Radio. Travel: U.S.. Avoc. Ints.: Furniture Making; Fishing.

PORTER, Harold Wm., Asst. Prof. of Trade and Ind. Edn., Purdue Univ., Lafayette, Indiana. b.: July 6, 1907, Shawano, Wis.. Married, two children. Edn.: Ed.B., State Tchrs. Coll., Oshkosh, Wis., 1929; M.S., Colo. A. & M. Coll., Fort Collins, 1938; Ph.D., Purdue Univ., Lafayette, Indiana, 1948. Exp.: Tchr., Ind. Arts, Voc. Edn., Two Rivers, Wis., 1929-41; Asst. Supv., Voc. Edn., State Dept. of Voc. and Adult Edn., Wis., 1941-45; Asst. Prof., Trade and Ind. Edn., Purdue Univ., Lafayette, Indiana, 1945—. Publs.: Articles in "Tech. Training". Mem.: A.V.A.; N.E.A.; Indiana Voc. Assn.; Indiana Ind. Edn. Assn.; Phi Delta Kappa; Iota Lambda Sigma, Past Pres.; Lambda Chi Alpha; Lions Club, Past Sectry.-Treas.; Masons. Areas of Splty.: Tchr. Prep. and in Service Tchr. Training; Selection and Training of Schl. and Ind. Personnel. Travel: U.S.. Avoc. Ints.: Boy Scout Work; Training Inmates in Penal Insts.; Basketball and Football as a Spectator.

PORTER, Thaddeus G., Instr., Prairie View Agri. and Mech. Coll., Prairie View, Texas. b.: July 19, 1912, Tyler, Texas. Married, one child. Edn.: Trade Certif., Carpentry and Cabinetmaking, 1935. Exp.: Instr., Prairie View A. & M. Coll., 1936---. Mem.: Texas State Tchrs. Assn.. Area of Splty.: Woodwork. Travel: S. Pacific Area; Mexico.

POST, Grace A., Instr., N.Y. Univ., Wash. Square, N.Y.C.. b.: March 19, 1907, Westfield, N.J.. Edn.: Grad., Cooper Union Art School; B.S., N.Y. Univ., 1946; M.A., ibid, 1949. Exp.: Professional Fashion Illust., 1929-44; Instr., N.Y. Univ., 1946---. Mem.: Amer. Assn. of Occup. Therapy; N.Y.S. Assn. of Occup. Therapy. Areas of Splty.: Textiles; Ceramics. Avoc. Ints.: Crafts; Teaching Aids.

POSTHUMUS, G. J. (l.i.), Asst. Prof., Dept. of Ind. Arts Edn., Mich. State Coll., East Lansing, Michigan.

POSTMAN, John Richard, Asst. Prof. of Ind. Edn., Northwestern State Coll., Natchitoches, La.. b.: Sept. 17, 1920, Kenosha, Wis.. Married. Edn.: B.S., The Stout Institute, 1949; M.Ed., Mo. Univ., 1950. Exp.: U.S.N., 1942-46; Asst. Prof., Northwestern State Coll., Natchitoches, La., 1950---. Mem.: Epsilon Pi Tau; Iota Lambda Sigma. Areas of Splty.: Crafts; Woodwork. Travel: Australia; Hawaii; China; Korea; New Guinea; U.S.. Avoc. Ints.: Crafts; Boy Scouting; Sailing; Golf.

POWELL, C. B. (l.i.), Instr., Dept. of Ind. Edn. and Ind. Management, Va. State Coll., Petersburg, Virginia.

POWELL, C. M. (l.i.), M.A., Asst. Prof., Dept. of Ind. Edn., The A. and T. Coll. of N.C., Greensboro, North Carolina.

POWELL, E. C., Assoc. Prof., Bowling Green State Univ., Bowling Green, Ohio. b.: Feb. 26, 1894, Benton Ridge, Ohio. Married, three children. Edn.: B.S., Ohio State Univ., 1923; M.A., ibid, 1930. Exp.: Tchr., H. Schl., 1916-23; Bowling Green State Univ., 1923---. Publs.: Contbd. to the following mags., "Ind. Edn." and "American Builder". Mem.: Town and Gown Club, Pres.; Epsilon Pi Tau; Boy Scouts of America. Areas of Splty.: Woodworking with reference to Period Styles. Travel: U.S.. Avoc. Ints.: Family; Bldg. Trades.

POWELL, Paul E., Assoc. Prof. of Ind. Arts, E. Carolina Tchrs. Coll., Greenville, N.C.. b.: Oct. 8, 1918, Massillon, Ohio. Married, two children. Edn.: B.S., Bowling Green State Univ.; M.S., The Stout Inst.. Exp.: Tchr., Ind. Arts, H. Schl., Rossford, Ohio, 1939-42; U.S.N., 1942-45; E. Carolina State Tchrs. Coll., 1946---. Member: N.E.A.; N.A.I.T.T.; A.V.A.; N.C. Edn. Assn.; N.C. Ind. Arts Assn.; N.C., Voc. Assn.; Epsilon Pi Tau. Travel: Canada; Pacific Area. Avoc. Ints.: Bldg. Trades; Reading.

POWERS, J., (l.i.), Supv., Dept. of Ind. Arts, Kent State Univ., Kent, Ohio.

POYZER, Marvin F., Head, Dept. of Ind. Arts, Univ. of N.D., Grand Forks, N.D.. b.: June 13, 1916, Hadler, Minn.. Married. Edn.: B.S., Univ. of N.D., 1938; M.A., Colo. State Coll. of Edn., 1948. Exp.: Instr., Ind. Arts, Worthington, Minn., 1938-41; Instr., Ind. Arts, Robbinsdale, Minn., 1941-42; Instr., Tchr. Trainer, and Repair Officer, U.S.N., 1942-46; Asst. Prof., Head, Dept. of Ind. Arts., Univ. of N.D., 1946---. Publs.: Ind. Arts and the Schls. of N.D., "Education Record", 1947; Leather Carving and the Ind. Arts Prog., "Education Record", 1950. Mem.: N.D.E.A.; N.E.A.; A.I.A.A.. Areas of Splty.: Tchr. Training; Woods; Metals; Crafts. Travel: U.S.; China; Philippines; Borneo; Admiralty Is.. Avoc. Ints.: Leather Carving; Lapidary Work; Silversmithing.

PREWETT, C. H., Asst. Prof. of Engrn., Univ. of Omaha, Omaha, Neb.. b.: Burlington, Okla.. Married, four children. Edn.: B.S., Okla. A. & M. Coll.; M.S., ibid.. Exp.: Tchr. and Prin., Pub. Schls., 1934-40; Univ. of Omaha, 1940---. Mem.: A.S.E.E.; A.S.M.E.; Neb. Engrn. Soc.; Iota Lambda Sigma. Areas of Splty.: Shopwork; Science; Math.. Travel: U.S.. Avoc. Ints.: Agri.; Carpentry.

PRICE, Dennis H., Asst. Prof., Indiana State Tchrs. Coll., Terre Haute, Indiana. b.: May 27, 1908, Kokomo, Indiana. Married, two children. Edn.: B.S., Purdue Univ., 1932; M.S., ibid, 1935; Other Grad. Study. Exp.: Tchr., Pub. Schls., 1932-39; Asst. Instr., Purdue Univ., 1939-40; Asst. Prof., Indiana State Tchrs. Coll., Terre Haute, Indiana, 1940---; Inst. of Inter. Amer. Affairs, Republic of Panama, 1948-49. Publs.: Editor, "The Bulletin of the Indiana Ind. Edn. Assn.". Mem.: A.V.A.; Indiana Voc. Assn.; Indiana Apprentice Com., Sectry.; Indiana Ind. Edn. Assn., V. Pres., 1942-43, Pres., 1943-44, Editor, 1942---; Phi Delta Kappa; Epsilon Pi Tau; Iota Lambda Sigma, Pres., Grand Chap., 1943-44. Areas of Splty.: Tchr. Training; Profnl. Courses; Shop Organization. Travel: Panama. Avoc. Ints.: Home Workshop, Wood and Metal; Music.

PRICKETT, Chester E., Instr., The Berry Schls., Mt. Berry, Ga.. b.: Mar. 29, 1922, Lindale, Ga.. Married. Edn.: B.S., The Berry Schls., Mt. Berry, Ga., 1949. Exp.: Sheet Metal Worker, 1939-46; Tchr., Pub. Schls., 2 yrs.; Tchr., Coll., 3 yrs.. Mem.: Iota Lambda Sigma. Area of Splty.: Metalwork. Travel: South Amer.; Caribbean Islands. Avoc. Ints.: Woodwork; Carving.

PROCTOR, Bernard S., Assoc. Prof., Chair., Ind. Arts Edn. Dept.,

Hampton Inst., Hampton, Va.. b.: Feb. 8, 1921, Glenolden, Pa.. Married. Edn.: B.S., Wilberforce Univ., Wilberforce, Ohio, 1941; M.A., The Ohio State Univ., Columbus, 1948; Ph.D., ibid, 1950. Exp.: Campbell Coll., Jackson, Miss., 1941; Wilberforce Univ., Wilberforce, Ohio, 1945-48; Hampton Inst., Hampton, Va., 1950---. Publs.: Free and Low Cost Visual Aids From Industry of Use to Instructors in Machine Shop Practice, Ohio State Dept. of Edn., 1949. Mem.: Natl. Tech. Assn.; A.I.A.A.; A.C.I.A.T.E.; A.V.A.; N.A.I.T.T.; Epsilon Pi Tau; Phi Delta Kappa. Area of Splty.: Ind. Arts Tchr. Edn.. Travel: N. Africa; Sicily; Italy; U.S.. Avoc. Ints.: Poetry; Coin Collecting; Arts and Crafts.

PROPPS, J. Milton, Instr., W. Va. Inst. of Tech., Montgomery, W. Va.. b.: Sept. 13, 1906, Jenkey, W. Va.. Married, three children. Edn.: No Degree. Exp.: Service Tech., 1930-33; Salesman and Tech., 1933-42; Radio Instr., 1942-43; Eng., 1943-44; Instr. of Elect., W. Va. Inst. of Tech., 1944---. Mem.: N.E.A.; A.I.A.A.; W. Va. Academy of Sci.; Amer. Radio Relay League.

PULLIN, D. O., Assoc. Prof., Western Mich. Coll. of Edn., Kalamazoo, Mich.. b.: Sept. 1, 1888, Mich.. Married, one child. Edn.: B.A., Wayne Univ., Detroit, Mich., 1926; M.A., Columbia Univ., 1933. Exp.: Tchr., Ind. Arts, Pub. Schls., 1913-26; Western Mich. Coll. of Edn., Kalamazoo, 1926---. Publs.: Mag. Articles. Mem.: N.E.A.; Mich. Ind. Edn. Soc.; Mich. Edn. Assn.. Area of Splty.: Printing. Travel: U.S.. Avoc. Ints.: Archery; Hunting; Fishing.

PURINTON, Arthur E., Asst. Prof., State Tchrs. Coll., Fitchburg, Mass.. b.: Nov. 10, 1891, Bowdoin, Me.. Married, two children. Edn.: B.S., Bradley Univ., Peoria, Ill., 1942. Exp., Ind. Expl, 1909-21; Gen. Voc. Schl., Fitchburg, Mass., 1921-26; State Tchrs. Coll., Fitchburg, Mass., 1926---. Mem.: N.E.I.A.A.; Mass. Ind. Arts Assn.; Mass. State Tchrs. Coll. Assn.; Epsilon Pi Tau, Trustee, 1948-51. Area of Splty.: Gen. Metalwork. Avoc. Ints.: Boats.

PURYEAR, M. T. (l.i.), M.A., Asst. Prof. and Dir., Ind. Arts Edn., Agricultural, Mechanical and Normal Coll., Pine Bluff, Arkansas.

QUICK, Otho J., Asst. Prof. of Ind. Arts, Eastern Ill. State Coll., Charleston, Ill.. b.: Nov. 21, 1915, Robinson, Ill.. Married, two children. Edn.: B.Ed., Eastern Ill. State Coll., Charleston, Ill., 1936; M.A., Univ. of Minn., 1946; Working on Doctorate. Exp.: Tchr., Ind. Arts, N.C., 1936-43; Tchr., Ind. Arts, Eastern Ill. State Coll., Charleston, Ill., 1946---. Mem.: N.E.A.; A.V.A.; A.A.U.P.; Ill. Edn. Assn.; Ill. Voc. Assn.; Epsilon Pi Tau; Iota Lambda Sigma; Phi Delta Kappa.

Areas of Splty.: Drawing; Woodwork; Metalwork; Printing. Travel: England; U.S.. Avoc. Ints.: Reading; Woodwork; Bridge.

RADCLIFFE, George V., Head, Dept. of Ind. Arts Edn., Univ. of Idaho, Moscow, Idaho. b.: Nov. 5, 1908, Neb.. Married. Edn.: B.S., Neb. State Coll.; M.Ed., Texas A. & M. Coll., 1949. Exp.: Pub. Schl. Tchr., 17 yrs.; Ind. Arts Tchr. Edn., 2 yrs.. Mem.: Epsilon Pi Tau. Areas of Splty.: Woodwork; Upholstery. Travel: Asia.

RAMSEY, William M., Asst. Prof. of Edn., Miami Univ., Oxford, Ohio. b.: June 2, 1903, Ohio. Married, one child. Edn.: Diploma, Miami Univ., Oxford, Ohio, 1923; B.S., ibid, 1935; M.A., ibid, 1945. Exp.: Tchr., Fairmont H. Schl., 1923-43; Miami Univ., Oxford, Ohio, 1943—. Mem.: O.E.A.; Epsilon Pi Tau. Area of Splty.: Drafting. Travel: U.S.; Canada. Avoc. Ints.: Fishing; Cabinet Work; Bldg. Trades.

RANDEL, Victor, Prof. and Dir. of Ind. Arts, Sam Houston State Tchrs. Coll., Huntsville, Tex.. b.: April 6, 1887, Clinton, Mo.. Married, two children. Edn.: B.S., Univ. of Mo., 1918; M.A., ibid, 1920. Exp.: Instr., Ind. Arts, Kansas City Schls., 1915-18; Ind. Arts Dept., Sam Houston State Tchrs. Coll., Huntsville, Tex., 1920—; Made a study of Methods of Tchr. Edn. in Brazil, 1950. Publs.: Contbd. to "I.A.V.E." and Manual Training Magazine. Mem.: A.V.A., Life Mem.; Phi Delta Kappa; Tex. Voc. Assn.; Tex. State Tchrs. Assn.; Mo. Valley Ind. Arts Conf.. Travel: U.S.; Brazil. Avoc. Ints.: Small City Govt., served 24 yrs. on city council of Huntsville, Tex.; Building Small Houses.

RAWLAND, Perry G., Prof. of Ind. Arts Edn., State Tchrs. Coll., St. Cloud, Minn.. b.: May 14, 1902, Coles Co., Ill.. Married, three children. Edn.: B.A., Univ. of Iowa, 1928; M.A., Ohio State Univ., 1942; Other Grad. Study. Exp.: Ind. Arts Tchr. and Coach, Pub. Schls., 1922-26, 1928-29; Interior Decorating and Credit Manager, Dept. Store, 1929-35; Tchr. and Prin., Pub. Schls., 1936-38, 1940-42; Prof. of Ind. Arts Edn., State Tchrs. Coll., St. Cloud, Minn., 1942—. Mem.: N.E.A.; A.I.A.A.; Amer. Fed. of Tchrs.; Minn. Edn. Assn.; Central Minn. Ind. Arts Assn.; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Woodworking; Metalwork; Teaching Methods; Visual Aids. Travel: U.S.; Canada; Mexico. Avoc. Ints.: Fishing; Home Mechanics; Square Dancing; Gen. Reading.

RAWSON, Ernest J., Asst. Prof., The Stout Inst., Menomonie, Wis.. b.: Oct. 14, 1911, Peru, Neb.. Married, one child. Edn.: B.A., Neb. State Tchrs. Coll., Peru, 1938; M.Ed., Colo. A. & M. Coll., Fort Collins, 1944; Other Grad. Study. Exp.: Tchr., Ind. Arts and Science, Pub. Schls., Preston, Ia., 1938-40; Asst. Prof., Neb. State Tchrs. Coll.,

Peru, 1940-42, 1944-45; Instr., Gen. Metals, Kan. City Pub. Schls., Kan., 1942-43; Group Leader, Pratt Whitney Aircraft Co., Kan. City, Kan., 1943-44; Assoc. Prof., Head, Dept. of Ind. Arts, Northern Mont. Coll., Havre, 1945-49; Asst. Prof., Ind. Edn., The Stout Inst., Menomonie, Wis., 1949—. Publs.: Contbd. to "I.A.V.E.". Mem.: N.E.A.; A.I.A.A.; Wis. Edn. Assn.; Epsilon Pi Tau; Iota Lambda Sigma. Areas of Splty.: Woodwork; Metalwork; Mechanics. Travel: U.S.; Mexico. Avoc. Ints.: Hunting; Fishing; Photo.; Cabinetmaking; Furn. Design.

RAY, J. Edgar, Assoc. Prof., The Stout Inst., Menomonie, Wis.. b.: Sept. 14, 1888, Philadelphia, Pa.. Married, one child. Edn.: Diploma, Williamson Trade Schl., 1908; B.S., The Stout Inst., Menomonie, Wis., 1922; M.S., Ia. State Coll., Ames, 1930; Ed.D., N.Y. Univ., 1944. Exp.: Journeyman Bricklayer, 1908-14; Instr., Bricklaying, Drafting, The Stout Inst., Menomonie, Wis., 1914-27, 1930—; Tchr., Drafting, H. Schl., 1927-30. Publs.: The Art of Bricklaying, 1950; Contributed to "I.A.V.E."; Bulletins for State Dept. on Bricklaying and Drafting. Mem.: Epsilon Pi Tau; Phi Delta Kappa. Areas of Splty.: Arch. Drafting; Bricklaying. Travel: U.S.; Canada; Mexico. Avoc. Ints.: Aquatic Sports; Preparation of Slides and Film Strips for Instructional Purposes; Travel; Architecture.

RAYBURN, Wilbur H., Asst. Prof. of Ind. Arts, Fort Hays Kan. State Coll., Hays, Kan.. b.: Mar. 9, 1919, Lewis County, Ky. Married, one child. Edn.: B.A., Morehead State Coll., Ky., 1947; M.S., Bradley Univ., 1948. Exp.: U.S.A.A.F., 1942-45; Fort Hays Kan. State Coll., 1948—. Mem.: A.I.A.A.; A.C.I.A.T.E.; Kan. Tchrs. Assn.. Areas of Splty.: Mach. Shop; Welding; Auto Mechanics. Avoc. Ints.: Gardening; Fishing.

RAYFORD, R. W., Instr. of Dry Cleaning, Prairie View A. & M. Coll., Prairie View, Tex.. b.: Dec. 23, 1914, Austin, Tex.. Edn.: Certif. in Woodwork, Prairie View A. & M. Coll., 1938; B.A., Agriculture, ibid, 1947; Grad. Work. Exp.: Tchr. of Woodwork, Pub. Schls., 1940-41; Prin., Pub. Schls., 1947-49. Travel: Europe. Avoc. Ints.: Ind. Edn. for Youths.

READDICK, David L., Asst. Prof. of Ind. Arts, Fla. Southern Coll., Lakeland, Fla.. b.: Apr. 2, 1918, Kingsland, Ga.. Married. Edn.: B.S., Fla. Southern Coll., Lakeland, Fla., 1945; M.A., Ohio State Univ., Columbus, 1949. Exp.: U.S. Civil Service, 1942; U.S.N., Aviation, 1942-45; Fla. Southern Coll., Lakeland, Fla., 1945—. Mem.: A.I.A.A.; Fla. Ind. Arts Assn., Sectry. and Treas.; Epsilon Pi Tau; Kappa Delta Pi; Phi Delta Kappa. Areas of Splty.: Drafting; Teaching Methods.

Travel: Panama; Hawaii; U.S.. Avoc. Ints.: Arch. Interests.

REED, Howard O., Assoc. Prof. of Ind. Arts, Ill. State Normal Univ., Normal, Ill.. b.: Feb. 22, 1906, Newton, Ill.. Married, three children. Edn.: B.S., Bradley Univ., 1931; M.A., Northwestern Univ., 1938; M.Ed., Univ. of Ill., 1946; Ed.D., ibid, 1948. Exp.: Mechanic, 1923-25; Drug Clerk, 1926-27; Hotel Clerk, 1925-26; Tchr., Public Schls., 1929-42; City Dir., Bloomington, Ill., 1942-44; Ill. State Normal Univ., 1944—. Publs.: Several articles in "I.A.V.E.". Mem.: A.A.U.P.; Phi Delta Kappa; Iota Lambda Sigma; Phi Kappa Phi; Kappa Delta Pi. Areas of Splty.: Metalwork; Grad. Work. Avoc. Ints.: Photo.; Gardening; Hunting; Fishing.

REED, K. (l.i.), M.A., Asst. Prof., Ind. Edn., George Peabody Coll. for Tchrs., Nashville, Tennessee.

REED, William T., Assoc. Prof. of T. & I. Edn., Va. State Coll., Petersburg, Va.. b.: Apr. 25, 1900, Zacata, Va.. Married, one child. Edn.: B.S., Hampton Inst., 1932; M.Ed., Univ. of Pittsburg, 1934; D.Ed., ibid, 1947. Exp.: Asst. Instr., Va. State Coll., 1923-25, Assoc. Prof., 1951—; Instr., Fla. A. & M. Coll., 1925-30, Dean of Mech. Arts, 1932-44; Dir. of T. & I. Edn., St. Paul's Poly. Inst., 1947-51. Mem.: A.V.A.; A.I.A.A.; N.A.I.T.T.; Old Dominion Voc. Assn.; Va. Tchrs. Assn.; Doctoral Assn. of Educators; Alpha Phi Alpha. Areas of Splty.: Voc. Edn.; Schl. Suprn..

REID, Dempsey E., Instr., Western Ill. State Coll., Macomb, Ill.. b.: Dec. 25, 1915, Palmyra, Ill.. Married, two children. Edn.: B.Ed., Ill. State Norm. Univ., Normal, Ill., 1937; M.S., ibid, 1946. Exp.: E. Side Schls., Aurora, Ill., 1937-42; U.S.N., Engrn. Tchr., 1942-44; Supv., Div. in Edn., Schl. for Illiterates, Camp Peary, Va., 1944; Instr., Western Ill. State Coll., Macomb, Ill., 1946—. Publs.: Contbd. to "Tchr. Edn.". Mem.: N.E.A.; Ill. Voc. Assn.; Ill. Edn. Assn.; Kappa Delta Pi. Areas of Splty.: Mech. and Arch. Drawing; Woodwork. Avoc. Ints.: Design; Mechanics.

RENESON, Matthew W., Instr., The Stout Inst., Menomonie, Wis.. b.: Apr. 13, 1917, Easthampton, Mass.. Married, two children. Edn.: B.S., State Tchrs. Coll., Fitchburg, Mass., 1948; M.A., Univ. of Minn., Minneapolis, 1949; Other Grad. Study. Exp.: Tool and Diemaker, Amer. Optical Co., Southbridge, Mass., 1935-39; Draftsman, 1940-41, 1946-47; Draftsman, U.S. Civil Service, Pearl Harbor, Oahu, T.H., 1939-40; Tchr., Ind. Arts, H. Schl., Chicopee, Mass., 1941-43; U.S.N., 1943-46; The Stout Inst., Menomonie, Wis., 1949—. Mem.: N.A.I.T.T.; A.V.A.; N.E.A.; A.A.U.P.; Amer. Assn. of Physics Tchrs.; Wis. Edn. Assn.;

Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Electricity; Tool and Die Making. Travel: U.S.; Hawaii; New Hebrides Islands; Panama. Avoc. Ints.: Photo.; Radio; Watch Repair; Reading; Tennis; Golf.

RICE, Charles M., Assoc. Prof. of Ind. Arts, Western Wash. Coll. of Edn., Bellingham, Wash.. b.: April 28, 1898, Snohomish, Wash.. Married, three children. Edn.: B.F.A., State Coll. of Wash., Pullman, 1936; M.A., ibid, 1939; Working on Ed.D.. Exp.: Ind. Arts Tchr., Elem. and Sec. Schls., Everett, Wash., 20 yrs.; Western Wash. Coll. of Edn., Bellingham, 1941—; Grad. Asst., Teaching Fellow, Dept. of Art and Arch., Ore. State Coll., Corvallis, 1946-47. Publs.: Contbd. to the following mags.: "I.A.V.E."; "Ind. Edn."; "Schl. Shop"; "Popular Homecraft"; "Popular Science"; "Popular Mechanics"; Others. Mem.: N.A.I.T.T.; A.A.U.P., Past Pres., Local Chap.; A.I.A.A.; N.E.A.; W.E.A.; Faculty Forum; Wash. Ind. Arts Assn.; Epsilon Pi Tau; Phi Delta Kappa; Kappa Delta Pi. Areas of Splty.: Engrn. Drawing; Arch. Drawing; Design; Oil and Water Color Painting; Woodwork; Visual Aids; Handicrafts. Travel: Canada; U.S.. Avoc. Ints.: Writing and Illustrating; Sketching and Painting; Skiing; Photography; Gardening; Reading.

RICE, Robert A., Instr., Hampton Inst., Hampton, Va.. b.: Dec. 24, 1916, Lawrenceville, Va.. Married, one child. Edn.: B.S., Hampton Inst., Hampton, Va., 1948. Exp.: Electrician, Hampton Inst., Hampton, Va., 1939-40; Electrical Contr., Hampton, Va., 1940-42, 1944-45; Communications Officer, Ft. Eustis, Va., 1942-44; Instr., Elect., Hampton Inst., Hampton, Va., 1945—. Mem.: A.V.A.; Va. Tchrs. Assn.; Old Dominion Voc. Assn.. Areas of Splty.: Electricity; Radio. Travel: U.S.. Avoc. Ints.: Motor Repair; Electrical Experimentation.

RICH, C. L., Assoc. Prof., The Stout Inst., Menomonie, Wis.. b.: Oshkosh, Wis.. Married, one child. Edn.: B.Ed., State Tchrs. Coll., Oshkosh, Wis., 1929; Ph.M., Univ. of Wis., Madison, 1930; Other Grad. Study. Exp.: Manag., Part Owner, Large Creamery, 10 yrs.; Supv. Prin., Supt., 1921-29; Instr., State Tchrs. Coll., Whitewater, 1930-31; Instr. to Assoc. Prof., The Stout Inst., Menomonie, Wis., 1931—; Instr., Engrn. Physics, Univ. of Wyo., 1943-44; Leave of Absence to Univ. of Minn., 1945; Chair., Menomonie Housing Authority, 1948—. Publs.: A Self-Testing Guide in Coll. Algebra; Tests in H. Schl. Physics, co-author; Prognostic Test in Coll. Algebra; Mag. and Newspaper Articles. Mem.: A.A.U.P.; A.V.A.; Amer. Assn. of Physics Tchrs.; Math. Assn. of Amer.; Natl. Council of Tchrs. of Math.; Wis. Assn. of Physics Tchrs.; Wis. Edn. Assn.; Northwestern Wis. Tchrs. Assn.; Natl. Assn. of Housing Officials. Areas of Splty.: Gen. Physics; Electronics;

Math.. Travel: U.S.; Canada. Avoc. Ints.: Fishing; Hunting; Driving; Boating; Pub. Housing; Elect..

RICHARDS, Carl Dick, Instr., Ball State Tchrs. Coll., Muncie, Indiana. b.: Feb. 19, 1920, Peoria, Ill.. Married, one child. Edn.: B.S., Ill. State Norm. Univ., Normal, Ill., 1947; M.S. ibid, 1948. Exp.: Instr., Univ. H. Schl. and Metcalf Elem. Schl., Normal, Ill., 1947-48; Advisor, Veterans Admin., Muncie, Indiana, 1948-49; Instr., Ball State Tchrs. Coll. and Burris Lab. Schl., 1948---. Mem.: A.A.U.P.; N.E.A.; Ill. Ind. Edn. Assn.; Phi Delta Kappa. Areas of Splty.: Woods; Electricity; Mech. and Arch. Drawing; Design; Arts and Crafts. Travel: U.S.; Hawaii; Okinawa; Saipan; Tinian; Kwajelein; Eniwetok; Tarawa; China. Avoc. Ints.: Tennis; Radio; Electricity.

RICHARDS, Maurice F., Asst. Prof., Univ. of Calif., Santa Barbara Coll., Santa Barbara, Calif.. b.: Jan. 19, 1913, Rockland, Mich.. Married, two children. Edn.: B.S., Northern Mich. Coll. of Edn., 1935; M.S., Univ. of Mich., 1941; Ph.D., Univ. of Mo., 1950. Exp.: Tchr., Pub. Schls., 5 yrs.; Northern Mich. Coll. of Edn., 1940-41; Univ. of Mich., 1941; Mich. State Normal Coll., 1946-48; U.S.N., 1942-46; Univ. of Mo., 1948-50; Univ. of Calif., 1950---. Mem.: A.I.A.A.; A.V.A.; Phi Delta Kappa. Areas of Splty.: Drawing; Woodwork; Metalwork; Crafts. Travel: U.S.; Pacific Islands. Avoc. Ints.: Community Service; Horticulture.

RICHARDSON, Francis W., Instr. and Asst. Dir. of Ind. Edn., Xavier Univ., New Orleans, La.. b.: Mar. 31, 1919, New Orleans, La.. Married. Edn.: B.A., Xavier Univ., 1941; M.A., Ohio State Univ., 1946; Other Grad. Study. Exp.: Carpenter, 1930-42; Instr. of Ind. Arts, Xavier Prep. Schl., 1942; U.S. Army, 1942-45; Instr. of Ind. Arts, Xavier Univ., 1947---. Mem.: A.I.A.A.; A.C.I.A.T.E.; New Orleans Trade and Ind. Arts Assn., Financial Sectry.; Alpha Phi Alpha. Areas of Splty.: Woodwork; Cabinetmaking; Lab. of Ind.; Mech. Drawing. Travel: Australia; New Guinea; Phillipines; Japan. Avoc. Ints.: Fishing and Hunting.

RICHMOND, Fred M., Assoc. Prof. of Ind. Arts, N.J. State Tchrs. Coll., Newark, N.J.. b.: Jan. 27, 1889, Tipton, England. Married, two children. Edn.: B.S., Tchrs. Coll., Columbia Univ., 1922; M.A., N.Y. Univ., 1935 Exp.: Journeyman Carpenter, 1902-08; Y.M.C.A. Sectry., 1908-09; Dir., Boys Camp, 1916-18; U.S.N., 1918-19; Tchr., Pub. Schls., 15 yrs.; Tchr. Edn., Coll., 26 yrs.. Mem.: N.E.A.; A.C.I.A.T.E.; N.J. Voc. and Arts Assn.; N.J. Schoolmasters Club; Epsilon Pi Tau. Areas of Splty.: Woodwork; Metalwork; Mech. Draw-

ing; Audio-Visual Edn.. Avoc. Ints.: Crafts; Photo.; Civic Affairs.

RIDGEWAY, Clarence W., Instr., State Tchrs. Coll., Oswego, N.Y.. b.: Nov. 12, 1906, Wolcott, N.Y.. Married, two children. Edn.: B.S., State Tchrs. Coll., Newark, N.J., 1947; M.A., State Tchrs. Coll., Montclair, N.J., 1951. Exp.: Tchr., Public Schls., 1927-38, 1940-51; Farm Mgr., 1938-40; State Tchrs. Coll., Oswego, N.Y., 1951—. Publs.: "Bridging the Gap", I.A.V.E., Sept., 1948. Mem.: A.I.A.A.; A.V.A.; Epsilon Pi Tau. Areas of Splty.: Ind. Arts; Admin.. Travel: Canada; U.S.. Avoc. Ints.: Photo.; Boats.

RIGSBY, H.P. (l.i.), Asst. Prof., Ind. Edn. Dept., The A. and M. Coll. of Texas, College Station, Texas.

RILEY, William F., Asst. Prof. of Ind. Arts Edn., Tchrs., Coll. of Conn., New Britain, Conn.. b.: June 29, 1912, Worcester, Mass.. Married, one child. Edn.: B.S., State Tchrs. Coll., Fitchburg, Mass., 1934; M.Ed., Boston, Univ., 1941; Work. on D.Ed., Columbia Univ.. Exp.: Provincetown H. Schl., Provincetown, Mass., 1934-37; U.S.N., Lieut. Commdr., 1942-45; Henry Whittemore Schl., Provincetown, 1937-42; Tchrs. Coll. of Conn., New Britain, Conn., 1945—. Mem.: N.E.A.; New Eng. Ind. Arts Assn.; Conn. Ind. Arts Assn.; Cent. Conn. Ind. Arts Assn.; Epsilon Pi Tau; Phi Delta Kappa. Area of Splty.: Supv. of Ind. Arts Student Tchrs.. Travel: Canada; Iceland; Mexico; U.S.. Avoc. Ints.: Home Work Shop; Reading; Ind. Arts Profnl. Work; U.S.N.R..

RINGOLD, Howard, Instr., N.W. Mo. State Coll., Maryville, Mo.. b.: April 11, 1910, Hopkins, Mo.. Married. Edn.: B.S., N.W. Mo. State Coll., 1937; M.S., Ore. State Coll., 1942. Exp.: Instr., N.A.T.T.C., Norman, Okla., 1942-45. Mem.: Mo. State Tchrs. Assn.: N.E.A.; Mo. Ind. Arts Assn.. Areas of Splty.: Woodwork; Crafts; Welding. Avoc. Ints.: Making Furniture; Gardening; Photo.; Travel; Leather Work.

RISK, Norman W., Asst. Prof., Mich. State Norm. Coll., Ypsilanti, Mich.. b.: Sept. 5, 1918, Petoskey, Mich.. Edn.: B.S., Mich. State Normal. Coll., Ypsilanti, Mich., 1942; A.M., Univ. of Mich., 1950. Exp.: Tool and Die Designer, 1942-47; Teaching, 1947—. Mem.: Wolverine Guidance Com.; Com. for Voc. Tchr. Training; Lions International Iota Lambda Sigma; Phi Delta Kappa. Areas of Splty.: Engrn. Drawing; Metalwork; Arts and Crafts. Travel: U.S.. Avoc. Ints.: Home Workshop; Model Making; Golf; Bridge.

ROBERSON, Fritz D., Instr., N. Tex. State Coll., Denton, Tex.. b.: Nov. 6, 1920, Springtown, Tex.. Married, one child. Edn.: B.S., N. Tex. State Coll., Denton, 1947; M.S., ibid, 1950. Exp.: Instr., Ind. Arts, N. Tex. State Coll., Denton, 1947, 1948—; Instr., Copiah Lin-

coln Jr. Coll., Leeson, Miss., 1948. Mem.: Phi Delta Kappa. Areas of Splty.: Drafting; Crafts; Art. Travel: U.S.; Canada; Europe; S. Amer.; Pacific Islands. Avoc. Ints.: Crafts; Hunting.

ROBERTS, M.D., Instr., Purdue Univ., W. Lafayette, Indiana. b.: August 8, 1904, Warren, Indiana. Married, one child. Edn.: A.B., Marion Coll., 1927; B.S. ibid, 1929; M.S., Indiana Univ., 1932. Exp.: Tchr., Pub. Schls. of Indiana, 1927-32, Admin., 1932-41; Naval Train. Schl. Admin., Purdue Univ., 1942-46; Instr. and Admin. in Dept. of Gen. Engrn., Purdue Univ., 1946---. Publs.: Elect. Materials and Processes for Elect. Engrn., Co-author, 1948; Elect. Shop Practice, co-author (in preparation). Mem.: A.S.E.E.; A.A.U.P.; Iota Lambda Sigma; Phi Delta Kappa. Areas of Splty.: Science; Admin.; Electricity. Avoc. Ints.: Woodwork; Electricity; Metalwork; Sports.

ROBINSON, Frank E., Asst. Prof., State Univ. of N.Y., Tchrs. Coll., Oswego, N.Y.. Married, one child. Edn.: B.S., Univ. of Mo., 1942; M.A., Univ. of Mo., 1945. Exp.: H.S. Tchr., Lee's Summit, Mo., 1942-44; Ind. Arts Sup., Univ. of Mo. Training Schl., 1944-46; Instr. Ind. Arts, State Tchrs. Coll., California, Pa., 1946-48; Instr. Ind. Arts, State Tchrs. Coll., Oswego, N.Y., 1948---. Mem.: Phi Delta Kappa; A.A.U.P.; Epsilon Pi Tau. Areas of Splty: General Shop; Elem. Ind. Arts. Avoc. Ints.: Leather Carving.

ROBINSON, Walter J., Prof., Head, Dept. of, Ind. Edn., Northwestern State Coll., Natchitoches, La.. b.: Jan. 1, 1906, Patton, Mo.. Married, one child. Edn.: B.S., Cent. Mo. State Coll., Warrensburg, Mo., 1932; M.A., Univ. of Mo., Columbia, Mo., 1938; Ed.D., ibid, 1950. Exp.: Tchr., Ind. Arts, Fredericktown, Mo., 1928-35; Tchr., Ind. Arts and Trade Extension, Crystal City, Mo., 1935-39; Tchr., Ind. Arts, St. Louis Pub. Schl. Sys., 1939-42; Armed Forces, 1943-45; Prof., Head, Dept. of Ind. Edn., Northwestern State Coll., Natchitoches, La., 1945---. Publs.: Ed.D. Dissertation, Origion and Development of Ind. Edn. in La., 1950. Cont'd to various mags.. Mem.: N.A.I.T.T.; A.C.I.A.T.E.; A.V.A.; La. Voc. Assn.; La. Edn. Assn.; Phi Delta Kappa; Iota Lambda Sigma; Kappa Delta Pi. Areas of Splty.: Woodwork; Metalwork; Profnl. Courses. Travel: U.S.. Avoc. Ints.: Scouting; Lions Club, Pres..

ROBLEY, Asa A., Asst. Prof., Ore. State Coll., Corvallis, Ore.. b.: Dec. 12, 1909, Donna, Ore.. Married, three children. Edn.: B.S., Ore. State Coll., Corvallis, 1939. Exp.: Lumber Mill Work, 1927-30; Truck Driver, Truck Mech., 1931-34; Instr., Ore. State Coll., Corvallis, 1939-42, Asst. Prof., 1947---; Teaching Specialist, Stanford Univ., 1942-47; War Production Work, 1943-46. Mem.: Amer. Welding Soc.,

Bd. of Dirs., Tech. Com., Portland, Ore. Chapt.; Amer. Soc. for Metals; Epsilon Pi Tau. Areas of Splty.: Forging; Welding; Heat Treatment. Avoc. Ints.: Photo.; Model Railroading; Hunting.

ROGERS, Clarence J., Asst. Prof., Purdue Univ., W. Lafayette, Indiana. b.: July 13, 1900, Wis.. Married, three children. Edn.: B.S., Bradley Univ.; M.A., Northwestern Univ.. Exp.: H. Schl., Ill., 1925-44; Arch Engrn., 1944-46; Gen. Engrn., Purdue Univ., 1946---. Mem.: A.S.E.E.. Areas of Splty.: Preparation of Teaching Materials; Graphic Arts. Avoc. Ints.: Sports.

ROGERS, Ralph W., Assoc. Prof., James Millikin Univ., Decatur, Ill.. b.: July 14, 1902, Warrensburg, Ill.. Married, three children. Edn.: B.S., James Millikin Univ., 1924; M.S., Okla. A. & M. Coll., 1932. Exp.: Tchr., Ind. Arts, H. Schl., 1924-25, 1928-30, 1944-46; Supt., Cabinet Shop, 1925-28; Asst. Prof., Okla. A. & M. Coll., 1930-34; Proprietor, Craftsman Furniture and Service Co., Decatur, Ill., 1934-41; Assoc. Prof., James Millikin Univ., 1946---. Mem.: Kappa Phi Kappa; Iota Lambda Sigma ; Ind, Arts Round Table #12 in Ill., V. Pres., 1950---; Schl. Masters Club of Macon County. Areas of Splty.: Drafting; Woods.

ROSENKAMPF, Stanley A., (l.p.), Instr., N.Y. Univ., Wash. Square N.Y.C.. b.: June 17, 1919, Hastings-on-Hundson, N.Y. Married, three children. Edn.: B.S., N.Y. Univ., 1947; M.A., N.Y. Univ., 1949. Exp.: Instr., N.Y. Univ., 1947---. Mem.: N.E.A.; N.Y.S. Voc. and Prac. Arts Assoc.. Area of Splty.: Electrical Shop.

ROUCE, Inman A., Asst. Prof., Lincoln Univ., Jefferson City, Mo.. b.: Sept. 29, 1908, Watonga, Okla.. Married, two children. Edn.: B.S., Va. State Coll., 1935; M.S., Kan. State Tchrs. Coll., 1937. Exp.: Tchr., Pub. Schls., 1936-41; Langston Univ., Langston, Okla., 1941-43; Gen. Contractor, 1943-50; Lincoln Univ., 1950---. Publs.: Contributed to "Okla. State Tchrs. Journal". Areas of Splty.: Bldg. Construction. Travel: Canada; Mexico; U.S.. Avoc. Ints.: Photo.; Agri..

ROUGON, Percy V., Instr., La. State Univ., Baton Rouge, La.. b.: Sept. 9, 1915, Chenal, La.. Married, two children. Edn.: B.S., La. State Univ., 1939. Exp.: Instr., La. State Univ., Baton Rouge, La., 1939---; Lt. Col., U.S. Army, 1942-46. Mem.: Epsilon Pi Tau. Areas of Splty.: Welding; Electricity. Travel: U.S.; N. Africa; Italy. Avoc. Ints.: Electronics; Metals.

ROWLETT, John D., Instr. of Ind. Arts, Eastern Ky. State Coll., Richmond, Ky.. b.: Jan. 10, 1928, Denton, Tex.. Edn.: B.S., North Tex. State Coll., 1949; M.S., ibid, 1950; Other Grad. Study. Exp.: Instr. of

Ind. Arts, N. Tex. State Coll., 1950-51; Instr. of Ind. Arts, Eastern Ky. State Coll., 1951---; Bldg. Trades, 2 yrs.. Mem.: A.V.A.; N.A.I.T.T.; Phi Delta Kappa; Tex. Voc. Assn.; Ky. Voc. Assn.. Areas of Splty.: Drafting; Woodwork; Crafts, Travel: U.S.; Canada; Alaska; Aleutian Is.; N. Pacific Area. Avoc. Ints.: Fishing; Hunting; Woodcarving.

RUDOLPH, Jay D., (l.p.) Asst. Prof., State Univ. of N.Y., Tchrs. Coll., Oswego, N.Y.. b.: Sept. 6, 1888, Philadelphia, Pa.. Married. Edn.: B.S., Syracuse Univ., 1929; M.A., N.Y. Univ., 1935. Exp.: Journeyman Printer and Foreman in Various Print. Plants in U.S. and Canada, 1912-18; Instr. in Printing and Graphic Arts, Oswego State Tchrs. Coll., 1918---. Publs.: The Vocationist, 1936: Graphic Arts Activities, 1938; 300 Hour Course in Printing. Mem.: N.Y.S. Tchrs. Assn.; N.Y.S.V.P.A.A.; Civil Service Emp. Assn.; N.Y.S. Tchrs. Coll. Faculties; N.E.A.; A.V.A.. Areas of Splty.: General Printing; Graphic Arts. Travel: United States; Canada; West Indies; Nassau, Jamaica; Cuba; Panama. Avoc. Ints.: Spring Flowers; Boating; Travel.

RUEGGEBERG, Robert E., Instr., Ind. Arts Edn., Miami Univ., Oxford, Ohio. b.: Dec. 19, 1919, Steubenville, Ohio. Married, one child. Edn.: B.A., Miami Univ., Oxford, Ohio, 1941; B.S., ibid, 1948; M.A., ibid, 1948. Exp.: Grad. Asst., Ind. Arts Edn., Miami Univ., Oxford, Ohio, 1947-48; Instr., Ind. Arts Edn., ibid, 1948---. Mem.: A.I.A.A.; A.C.I.A.T.E.; Epsilon Pi Tau; Kappa Delta Pi; Kappa Phi Kappa; N.E.A.; O.E.A.. Areas of Splty.: Drafting; Metals. Travel: U.S.; England; Scotland; France; Belgium; Germany. Avoc. Ints.: Home Workshop; Photo..

RUEHL, Philip W., Instr., The Stout Inst., Menomonie, Wis.. b.: Dec. 29, 1919, Waupun, Wis.. Married, three children. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1941; M.S., ibid, 1948. Exp.: Tchr., H. Schl., 1941; Tchr., Civil Service, War Dept., 1941-43, 1946-47; Aircraft Engrn. Officer, 1943-46; Instr., Elect., The Stout Inst., Menomonie, Wis., 1948---. Mem.: N.E.A.; Wis. Edn. Assn.; Northern Wis. Radio Club; Epsilon Pi Tau. Areas of Splty.: Elect.; Radio; Electronics. Avoc. Ints.: Photo.; Radio.

RUSH, Ennis H., Assoc. Prof., Southwestern La. Inst., Lafayette, La.. b.: Nov. 10, 1911. Married. Edn.: B.A., La. State Univ., 1937; M.A., ibid, 1948. Exp.: Man., Lincoln Ice Co., Shreveport, La., 1936-37; Arch. Supv., N.Y.A., 1937-38; Tchr., Ind. Arts, Pub. Schls., La., 1938-48; Assoc. Prof., Southwestern La. Inst., Lafayette, 1948---. Mem.: A.V.A.; La. Tchrs. Assn.; La. Voc. Assn.; La. Edn. Assn.. Areas of Splty.: Woodwork; Ind. Edn. Tchr. Training. Travel: Mexico. Avoc. Ints.: Archery; Home Bldg.; Gardening.

RUSSELL, Ellsworth M., Asst. Prof., State Univ. of N.Y., Tchrs.

Coll., Buffalo, N.Y.. b.: Nov. 26, 1914, Flora, Ill.. Married, one child. Edn.: B.Ed., Eastern Ill. State Coll., 1937; M.S., Iowa State Coll., 1941; Ed.D., Pa. State Coll., 1950. Exp.: Pub. Schls., 1937-42; Civ. Instr., USAAF, 1942-44, 1946-47; Electronics Instr., USN, 1945-46; Tchr. Edn., 1948---. Mem.: A.V.A.; A.I.A.A.; A.A.U.P.; N.Y. State Tchrs. Assn.; N.Y.S.V.P.A.A.; Phi Delta Kappa; Epsilon Pi Tau; Iota Lambda Sigma. Areas of Splty.: Metalwork; Electronics; Elem. Ind. Arts. Travel: U.S.; Canada. Avoc. Ints.: Photo.; Leatherwork.

RUSSELL, James A., Jr., Sr. Instr., Hampton Inst., Hampton, Va.. b.: Dec. 25, 1917, Lawrenceville, Va.. Married, two children. Edn.: B.A., Oberlin Coll., Oberlin, Ill., 1940; B.S., Bradley Univ., Peoria, Ill., 1941; M.S., ibid, 1950. Exp.: Electrician, Navy Yard, Norfolk, Va., 1941-42; Instr., Elect., Naval Training Schl., Hampton Inst., Hampton, Va., 1942-45; Instr., Elect., St. Paul's Polytechnic Inst., Lawrenceville, Va., 1945-50; Sr. Instr., Elect., Hampton Inst., Hampton, Va., 1950---. Mem.: N.E.A.; Nat.Tech. Assn.; Old Dominion Voc. Assn.. Areas of Splty.: Electricity; Radio; Ind. Arts Edn.. Avoc. Ints.: Radio and Electronic Experimentation; Radio Repairing.

RUSSO, Michael, Instr., Univ. of Vt., and State Agri. Coll., Burlington, Vt.. b.: June 16, 1921, Newport, R.I.. Married. Edn.: B.S., Fitchburg State Tchrs. Coll.. Exp.: Tchr., H. Schl., 5 yrs.; Univ. of Vt., 1949---. Mem.: Vt. Ind. Arts Assn.. Areas of Splty.: Woodwork; Sheet Metalwork; Art Metal. Avoc. Ints.: Sports.

RYAN, C.M. (l.i.), M.S., Asst. Prof., Dept. of Ind. Edn., Tenn. A. and I. State Coll., Nashville, Tenn..

SALE, L.C. (l.i.), B.S., Instr., Ind. Arts Dept., Northern Okla. Junior Coll., Tonkawa, Okla..

SAMPSON, Charles T., Sr., Instr., Central State Coll., Wilberforce, Ohio. b.: Oct. 5, 1898, Titusville, Pa.. Married, four children. Edn.: Tech. Schl. of Trades, 1916; Study at Univ. of Ky. and Ky. State Coll.. Exp.: Aircraft Eng. Mech., 1916-23; Garage Oper., 1924-39; W. Ky. Voc. and Train. Schl., 1939-43; Hd. of Auto. Dept., Hampton Inst., 1943; Aircraft Eng. Work, 1944-46; Central State Coll., 1946---. Area of Splty.: Auto Mechanics. Avoc. Ints.: Inventions; Fishing; Hunting.

SAMS, Denver, Instr., Purdue Univ., W. Lafayette, Indiana. b.: May 16, 1920, Bimble, Ky.. Married, one child. Edn.: B.S., Eastern Ky. State Coll., 1943; M.S., Purdue Univ., 1951. Exp.: Instr. of Nav., U.S.N., 1944-45; Instr. of Mfg. Processes, Purdue Univ., 1946---. Mem.: Iota Lambda Sigma; Indiana Ind. Edn. Assn.; Reserve Officers Assn.. Areas of Splty.: Woodwork; Gen. Shop. Avoc. Ints.: Travel; Fishing.

SANDOW, Douglas G., Instr., Ala. Poly. Inst., Auburn, Ala.. b.: Nov. 15, 1918, Grafton, Wis.. Married, three children. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1948; Working on Masters' Degree. Exp.: 3 yrs., Welding Instr., Chanute Field, Ill.; Welder, U.S.A.A.F.; Instr., Welding, Ala. Poly. Inst., Auburn, Ala., 1948—. Area of Splty.: Welding.

SARGENT, William T., Asst. Prof., Northern Mich. Coll. of Edn., Marquette, Mich.. b.: July 19, 1914, Negaunee, Mich.. Married, two children. Edn.: B.S., Northern Mich. Coll. of Edn., Marquette, Mich., 1941; M.Ed., Wayne Univ., Detroit, Mich., 1948. Exp.: Detroit Pub. Schls., 1941-42, 1945-46; Instr., Counselor, U.S.N.R., 1942-45; Northern Mich. Coll. of Edn., 1946—. Mem.: N.A.I.T.T.; A.I.A.A.; A.V.A.; Mich. Ind. Edn. Society; Mich. Edn. Assn.; Kappa Delta Pi; Phi Delta Kappa; Mu Sigma Pi. Area of Splty.: Woodwork. Avoc. Ints.: Hunting; Gardening.

SATCHWELL, Glenn M., Head, Ind. Arts Dept., Northern Idaho Coll. of Edn., Lewiston, Idaho. b.: May 23, 1904, Rathdrum, Idaho. Married, two children. Edn.: Diploma, Cheyney Norm. Coll., Cheyney, Wash.; B.S. Univ. of Idaho, Moscow; M.S., Wash. State Coll. of Edn., Pullman. Exp.: Prin., Elem. Schl., Post Falls, Idaho, 1927-33; Instr., Ind. Arts. Pub. Schls., Lewiston, Idaho, 1934-38; Prin., Jr. H. Schl., Campus Lab. Schl., N. Idaho Tchrs. Coll., 1938-42, Asst. Dir. of Training, 1942-48; Head, Ind. Arts Dept., Northern Idaho Coll. of Edn., Lewiston, 1948—. Mem.: N.E.A., Life Mem.; Phi Delta Kappa. Areas of Splty.: Drafting; Theory; Crafts.

SATTERLEY, W.O., Asst. Prof., Purdue Univ., W. Lafayette, Indiana. b.: Oct. 31, 1894, Hubbell, Mich. Married, one child. Edn.: Diploma, Stout Inst., 1924; B.S., ibid, 1930; M.A., Univ. of Mich., 1939. Exp.: Oiler, Switchboard Oper., and Asst. Engr., Ahmeek Mining Co., 1910-19; Nash Motors, Kenosha, Wis., 1919-21; Mach. Shop and Auto Mech. Instr., H. Schl., Elgin, Ill., 1923-29; Mach. Shop and Patternmaking Instr., Gen. Motors Inst., 1929-32; Mach. Shop and Mach. Draw. Instr., H. Schl., Flint, Mich., 1932-41; Personnel Dept. and Foreman of Production Dept., Buick Aviation Engine Plant, Melrose Park, Ill., 1941-46; Asst. Prof., Dept. of Gen. Engrn., Purdue Univ., 1946—. Mem.: A.A.U.P.; A.S.E.E.; Marine Historical Soc. of Detroit, Mich.; Iota Lambda Sigma. Areas of Splty.: Mach. Shop; Drawing. Avoc. Ints.: Art Metalwork; Collector of Great Lakes boat pictures and history.

SAUNDERS, J.G. (l.i.), B.S., Asst. Prof., Dept. of Ind. Edn., Tenn. A. and I. State Coll., Nashville, Tenn..

SAYOVITZ, Joseph J., Asst. Prof., Univ. of Calif., Santa Barbara Coll., Santa Barbara, Calif.. b.: March 11, 1918, Ely, Minn.. Mar-

ried, two children. Edn.: B.S., St. Cloud State Tchrs. Coll., 1941; M.S., Ia. State Coll., 1947. Exp.: Tchr., H. Schl., Morris, Minn., 1941; U.S. Army, 1942-46; Instr., Radio and Elect., Rocky Mt. Coll., Billings, Mont., 1946-47; Univ. of Calif., Santa Barbara Coll., 1947---. Publs.: Contributed to "I.A.V.E.". Mem.: Kappa Delta Pi; Epsilon Pi Tau. Areas of Splty.: Radio; Elect.. Travel: U.S.; England; France; Belgium; Holland; Germany. Avoc. Ints.: Model Bldg.; Photo.; Amateur Radio.

SCHAD, Joseph A., Head, Dept. of Ind. Arts Edn., Va. Poly. Inst., Blackburg, Va.. b.: Syracuse, N.Y. Married, two children. Edn.: B.S., Oswego State Tchrs. Coll.; M.S., Cornell Univ., 1950; Other Grad. Study. Exp.: Tchr., Ind. Arts Pub. Schls. of Va., 1930-39; Supvr., Adult Evening Classes, Newport News City Schls., 1939-40; Dir. of Defense and War Production Training, Newport News, Va., 1945-46; Head Dept. of Ind. Arts Edn., Va. Poly. Inst., 1946---; Electrical Industry, 5 yrs. Publs.: Contributed to "I.A.V.E.". Mem.: N.E.A.; A.I.A.A.; A.C.I.A.T.E.; A.A.U.P.; N.A.I.T.T.; Va. Voc. Assn., Past Pres.; Va. Edn. Assn.; Peninsula Ind. Edn. Club, Past Pres.; Epsilon Pi Tau; Phi Delta Kappa; Iota Lambda Sigma; Blue Ridge Ind. Edn. Club. Areas of Splty.: Profnl. Courses; Supvn. of Student Teaching.

SCHERER, Paul L., Asst. Prof. of Ind. Arts, Univ. of Calif., Santa Barbara Coll., Santa Barbara, Calif.. b.: Feb. 12, 1907, Cleveland, Ohio. Married, two children. Edn.: B.S., Ohio State Univ., 1930; M.A., Western Reserve Univ., 1938; Ed.D., ibid, 1951. Exp.: Tchr., Cleveland, O., Pub. Schls., 1930-50; Univ. of Calif., Santa Barbara Coll., 1951--. Mem.: N.E.A.; A.V.A.; A.I.A.A.; Calif. Ind. Edn. Assn.; Natl. Art Edn. Assn.; Alpha Zeta, past pres.; Epsilon Pi Tau. Areas of Splty.: Mech. and Arch. Draw.; Ind. Design; Tchr. Training. Travel: Canada; Mexico; U.S.. Avoc. Ints.; Silver and Pewter Crafts; Home Planning and Design.

SCHLEGEL, Edward J., Prof. and Head, Dept. of Tech. Draw., Bradley Univ., Peoria, Ill.. b.: July 31, 1888, Milwaukee, Wis.. Married, two children. Edn.: B.S., Bradley Univ., 1928; M.Ed., Marquette Univ., 1943. Exp.: Mach. and Draftsman, 1905-21; Bradley Univ., 1921---. Mem.: A.S.E.E.; Phi Sigma Pi; Pi Gamma Mu. Areas of Splty.: Drafting; Mechanics and Strengths of Materials. Avoc. Ints.: Music.

SCHMIDT, Fred J., Jr., Head, Dept. of Ind. Arts, Ball State Tchrs. Coll., Muncie, Indiana. b.: Mar. 4, 1895, Garnavillo, Ia.. Married, one child. Edn.: B.S., Ia. State Tchrs. Coll., Cedar Falls, Ia., 1923;

M.A., Univ. of Wis., Madison, 1928; Ed.D., Univ. of Ind., Bloomington, 1941. Exp.: Tchr., Rural Schl.; Prin., H. Schl.; Ind. Arts Supt., Consolidated Schl.: Ia. State Coll., Ames, Ia.; Ball State Tchrs. Coll., Muncie, Indiana, 16 yrs.; Work Exp., factory, farm, print shop, shop foreman, and carpentry. Publs.: Contbd. to the following mags.: "I.A.V.E."; "Edn."; "Ball State Teachers Coll. Bulletin". Mem.: A.A.U.P.; N.E.A.; A.V.A.; I.V.A.; A.I.A.A., First V-Pres., 1952---; A.C.I.A.T.E., V-Pres. 1951-52; Indiana State Tchrs. Assn.; Natl. Soc. of Coll. Tchrs. of Edn.; Indiana Schl. Mens Club; Ind. Edn. Tchr. Trainers; Torch Club; Phi Delta Kappa; Kappa Delta Phi. Areas of Splty.: Gen. Shop; Woodwork; Printing; Profnl. Courses. Travel: England; Germany; France; U.S.. Avoc. Ints.: Photo.; Nature Study; Hiking.

SCHMITT, Marshall L., Assoc. Prof. of Ind. Arts. N.C. State Coll. of Agri. and Engr. of the Univ. of N.C., Raleigh, N.C.. b.: Jan. 23, 1919, Rochester, N.Y.. Married, one child. Edn.: B.S., Oswego State Tchrs. Coll., 1941; M.A., Ohio State Univ., 1948. Exp.: Elem. and Sec. Schls., 1941-42; Armed Forces, 1943-45; Oswego State Tchrs. Coll., 1946-49; N.C. State Coll. of Agri. and Engr., Raleigh, N.C., 1949--. Publs.: Article in "I.A.V.E.". Mem.: N.C. Ind. Arts Assn., Sectry-Treas.; N.C. Edn. Assn.; N.E.A.; A.V.A.; A.I.A.A.; A.C.I.A.T.E.; Epsilon Pi Tau; Kappa Phi Kappa; Phi Delta Kappa. Areas of Splty.: Gen. Metalwork; Gen. Electricity. Travel: Newfoundland; Iceland; Caribbean Islands; Trinidad; U.S.. Avoc. Ints.: Reading; Golf.

SCHMITZ, R.R., Assoc. Prof., Chair., Dept. of Ind. Arts Edn., Univ. of Ala., Coll. of Edn., University, Ala.. b.: June 19, 1885, Wis.. Married, four children. Edn.: B.S., Univ. of Ala.; M.S., ibid.. Exp.: Foreman, U.S. Steel Corp., Birmingham, Ala., 1914-16; Tchr., Voc. Edn., Univ. of Ala., 1919-25; Asst. Dir., Ala. Schl. of Trades, 1925-27; Assoc. Prof. of Ind. Arts, Univ. of Ala., 1927-40, Dir of Defense Training, 1940-44, Chair., Dept. of Ind. Arts, 1944---; Tchr., Pub. Schls., 6 yrs.. Publs.: Elem. Schl. Ind. Arts: Wood Turning Exercises. Mem.: Phi Delta Kappa; Iota Lambda Sigma; Kappa Delta Pi. Areas of Splty.: Voc. Edn.; Ind. Arts Edn..

SCHNEIDER, Frank E., Asst. Prof., State Univ. of N.Y., Tchrs. Coll., Oswego, N.Y.. b.: Jan. 6, 1897, Wellsboro, Pa.. Married, three children. Edn.: B.S., Syracuse Univ., 1935; M.A., N.Y. Univ., 1936. Exp.: Cornell Univ., 1915-17; Cabinet Making, Carpentry, and Ship Joinery, 1917-22; Oswego Normal Schl., 1922-23; Tchr., Sheet Metal Wk., Hazelton, Pa., 1922-24; Tchr., Woodwork, Scranton, Pa., 1924-25; Oswego State Tchrs. Coll., 1926---. Publs.: Sheet Metal Work for Jr. High Schools, 1925; Carpentry Series, 1940-43. Mem.: A.V.A.;

N.Y.V.P.A.A.; N.Y.S. Edn. Assn.; N.Y.S. Tchrs. Coll. Fac. Assn.. Areas of Splty.: Sheet Metal Wk.; Woodworking; Wood Finishing; Boat Bldg.; Model Bldg.. Avoc. Ints.: Bldg. and Racing Model Speed Boats; Boat Bldg.; Fishing; Hunting.

SCHOOLER, B.T. (l.i.), B.S., Instr., Div. of Ind., Central State Coll., Wilberforce, Ohio.

SCHORLING, Horace O., Assoc. Prof. of Ind. Arts, Fresno State Coll., Fresno, Calif.. b.: Aug. 26, 1912, Indianapolis, Indiana. Married, two children. Edn.: B.A., San Jose State Coll., San Jose, Calif., 1939; M.S., Ore. State Coll., Corvallis, Ore., 1946; Ed.D., ibid, 1950. Exp.: Ind. Exp., 1931-35; Pub. Schls., 1939-41; Fresno State Coll., Fresno, Calif. and Ore. State Coll., Carvallis, Ore., 1941—; Mem., U.S. Mission to Korea on Tchr. Edn., 1948. Mem.: A.V.A.; A.I.A.A.; C.I.E.A.; Engrs. Club; Epsilon Pi Tau; Phi Delta Kappa; Kappa Delta Rho. Areas of Splty.: Art Metalwork; Jewelry; Supervision; Profnl. Courses. Travel: Mexico; Hawaii; Japan; Korea. Avoc. Ints.: Sports; Reading; Discussion Groups.

SCHREINER, Raymond A., Chair. of Pract. Arts Div., Neb. State Tchrs. Coll., Wayne, Neb.. b.: April 7, 1906, Neb.. Married, two children. Edn.: B.A., State Tchrs. Coll., Peru, Neb., 1930; M.A., Colo. State Coll. of Edn., Greeley, Colo., 1938. Exp.: Sec. Schls., Neb., 12 yrs.; State Tchrs. Coll., Wayne, Neb., 13 yrs.. Publs.: "A Descriptive Analysis of the Tchrs. of Ind. Arts in Neb.", 1938. Mem.: N.E.A.; Neb. State Edn. Assn.; Neb. Ind. Edn. Assn., Pres., 1949-50; Epsilon Pi Tau. Areas of Splty.: Drafting; Woodwork. Travel: U.S.. Avoc. Ints.: Hunting; Fishing; Athletic Officiating.

SCHROEDER, J. Henry, Prof. of Ind. Edn., Southern Ill. Univ., Carbondale, Ill.. b.: Oct. 17, 1897, Ill.. Married, three children. Edn.: B.Ed., Southern Ill. Univ., 1930; M.S., Univ. of Ia., 1935. Exp.: Tchr., H. Schl., 1921-22; Coll. Tchr., Ind. Arts, 1923—. Publs.: Contributed to "I.A.V.E.". Mem.: A.V.A.; Ill. Voc. Assn.; Phi Delta Kappa; Kappa Phi Kappa. Areas of Splty.: Supvn. of Ind. Arts Practice Tchrs.; Mach. Shop; Drawing; Physics. Travel: U.S.. Avoc. Ints.: Sports; Home Workshop.

SCHROETER, Frank E., Instr. of Ind. Arts. Fresno State Coll., Fresno, Calif.. b.: Dec. 30, 1921, Menomonie, Wis.. Married, two children. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1943; M.S., ibid, 1950. Exp.: Instr., Ind. Arts, Eastern Ky. State Coll., 1946-48; Instr., Ind. Arts, Fresno State Coll., 1949—; U.S.N., 1943-45. Mem.: Epsilon Pi Tau. Areas of Splty.: Machine Shop; Welding. Travel: Africa; Sicily; Italy; Ireland; Greenland; Cuba; Panama; Hawaii; Caroline

Is.; Marshall Is.; Guam. Avoc. Ints.: Fishing; Outdoor Activities.

SCHUMACHER, C. Edward, Instr., Bowling Green State Univ., Bowling Green, Ohio. b.: Aug. 7, 1917, Bluffton, Ohio. Married, two children. Edn.: B.A., Bowling Green State Univ., 1947; M.A., ibid, 1950. Exp.: Instr., Bowling Green State Univ., 1947—. Mem.: Amer. Assn. of Univ. Profs.; Mid-West. Ohio Ind. Arts Assn.; Ind. Arts Club, Bowling Green Univ.. Areas of Splty.: Electricity; Radio; Mach. Shop.

SCHWALBE, John R., Instr., The Berry Schls., Mt. Berry,,Ga.. b.: May 17, 1923, Stevens Point, Wis.. Married, one child. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1950. Exp.: Auto Mechanic, 3 yrs.; The Berry Schls., Mt. Berry, Ga., 1950—. Areas of Splty.: Auto Mechs.; Metalwork. Travel: Hawaii; Marianas; Canada. Avoc. Ints.: Photo.; Fishing.

SCHWALM, Ray A., Instr. of Ind. Arts, Western Wash. Coll. of Edn., Bellingham, Wash.. b.: Mar. 13, 1918, Valley View, Pa.. Married, two children. Edn.: B.S., State Tchrs. Coll., Millersville, Pa., 1940; M.S., Ore. State Coll., Corvallis, Ore., 1948; Ed.D., ibid, 1951. Exp.: Instr., Ferris Ind. Schl., Wilmington, Del., 1940-41; Instr., Royal Canadian Air Force, Canada, 1941-42; Instr., Millersburg H. Schl., Millersburg, Pa., 1943-45; Instr., Barberton Schls., Barberton, Ohio, 1945-46; Instr., Vancover City Schls., Vancover, B.C., Canada, 1946; Grad. Asst., Teaching Fellow, Ore. State Coll., Corvallis, Ore., 1946-49; Instr., Western Wash. Coll. of Edn., Bellingham, Wash., 1949—. Mem.: A.I.A.A.; Epsilon Pi Tau; Phi Kappa Phi; Kappa Delta Pi. Areas of Splty.: Graphic Arts; Sheet Metal; Art Metal.

SCOTT, L.A. (l.i.), Instr., Dept. of Shop Practice, Kan. State Coll., Manhattan, Kan..

SCOVILLE, Wadsor M., (l.p.) Asst. Prof., State Univ. of N.Y., Tchrs. Coll., Oswego, N.Y.. b.: Mar. 20, 1887, Campbellsville, Ky.. Married, two children. Edn.: B.S., Syracuse Univ., 1929; M.S., ibid, 1936; Reg. Arch., Univ. of the State of N.Y., 1931. Exp.: Pract. Arch. for the follow. pub. bldgs. in Oswego, N.Y.: Loblaw Grocerterias; Cadillac Garage; Dante Aligheri, rec. center; Keefe Bldg.. Mem.: N.Y.S. Tchrs. Assn.; A.I.A.A.; Amer. Inst. of Arch.; Rotary Club; Delta Kappa, advisor. Areas of Splty.: Draw.; Design; Photo.. Travel: United States; Canada. Avoc. Ints.: Photo.; Chalk Talks.

SEARS, William P., Prof. of Edn., Chair., Dept. of Voc. Edn., N.Y. Univ., Wash. Square, N.Y.C.. b.: Oct. 6, 1902, N.Y.. Edn.: B.S., N.Y. Univ., 1924; M.A., N.Y. Univ., 1925; Ph.D., N.Y. Univ., 1930. Exp.: Tchr., Math. and Science, Jr. H.S., Wood Ridge, N.J., 1924-27; Head

Dept. of Math., Marquand Schl., Brooklyn, N.Y., 1927-35; Central branch Y.M.C.A. Evening Schl., 1927-35; Instr., Asst., Assoc., and Prof., Schl. of Edn., N.Y. Univ., 1931---; Prin., N.Y. Univ., Train. Prog. for War Ind., 1942-45. Publs.: The Roots of Vocational Edn., 1930; Regular contrb. to "Education", "The Clearing House", "The Dalhousie Review" (Canada), "Journal of Edn. Sociology", "The Churchman", and others; Book review editor of "Education". Areas of Splty.: Voc. Ind. Edn.; Ind. Arts; American, Irish, and Continental drama. Travel: England; Ireland; Scotland; France; Italy; Mexico; Yucatan; Guatemala; B.W. Indies; Haiti; South Amer.. Avoc. Ints.: Recorded music; theater; reading, walking.

SEAWOOD, J.R. (l.i.), M.S., Instr., Ind. Arts Edn., Agricultural, Mechanical and Normal Coll., Pine Bluff, Ark..

SECREST, Lawrence C., Asst. Prof., North. Ill. State Tchrs. Coll., De Kalb, Ill.. b.: Feb. 1, 1911, Buffalo, N.Y.. Married, two children. Edn.: B.S., Ohio State Univ., 1934; M.A., ibid, 1940; Working on Ph.D., ibid.. Exp.: Tchr., Ind. Arts, Jr. H. Schl., Finley, Ohio, 1935-37; Tchr., Ind. Arts, Napoleon, Ohio, 1937-42; North. Ill. State Tchrs. Coll., 1942---. Mem.: Epsilon Pi Tau; N.E.A.; A.C.I.A.T.E.; A.V.A.; I.I.A.A.. Areas of Splty.: Metals; Electricity. Travel: U.S..

SEEFELD, Kermit A., Asst. Prof. and Dir., Student Teaching, Univ. of Calif., Santa Barbara Coll., Santa Barbara, Calif.. b.: Aug. 25, 1910, Van Dyne, Wis.. Married, three children. Edn.: B.Ed., Oshkosh State Tchrs. Coll., 1932; M.Ed., Colo. A. & M. Coll., 1946; Ed.D., Stanford, 1949. Exp.: Milwaukee Pub. Schls., 1933-46; Asst. Prof. of Ind. Arts, Univ. of Calif., Santa Barbara, 1946---. Publs.: Doctoral Dissertation, Competency of Ind. Arts Teachers; Contributed to various magazines. Mem.: A.I.A.A.; A.V.A.; N.E.A.; N.A.I.T.T.; A.A.U.P.; Calif. Ind. Edn. Assn.; Iota Lambda Sigma; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Ind. Arts Tchr. Edn.; Supvn. of Student Teaching. Travel: Mexico; U.S.. Avoc. Ints.: Collecting and Rebuilding Fire Arms.

SEIBERT, B. N. (l.i.), Instr., Dept. of Voc. and Ind. Arts, Univ. of Wyoming, Laramie, Wyoming.

SELLERS, G. A. (l.i.), M.S., Prof. and Hd., Dept. of Shop Practice, Kan. State Coll., Manhattan, Kansas.

SELLON, William A., Asst. Prof. of Ind. Edn., Bradley Univ., Peoria, Ill.. b.: June 6, 1922, Elk River, Minn.. Married. Edn.: B.S., The Stout Inst., 1943; M.Ed., Univ. of Okla., 1946; Ed.D., Bradley Univ., 1950. Exp.: U.S.N., 1944-46; Instr., Univ. of Okla., 1946-49; Bradley Univ., 1949---. Publs.: Contributed to "I.A.V.E.". Mem.: A.I.A.A.;

A.C.I.A.T.E.; A.V.A.; Alpha Psi Omega; Kappa Delta Pi. Areas of Splty.: Ind. Edn.; Gen. Metalwork. Travel: U.S.; Canada; Mexico. Avoc. Ints.: Fishing; Gen. Crafts.

SENTENEY, George W., (l.p.) Instr., Univ. of Minn., Duluth Branch, Duluth, Minn.. b.: June 18, 1922, Thebes, Ill.. Married, two children. Edn.: B.Ed., Southern Ill. Univ., 1943; M.Ed., Univ. of Mo., 1949. Exp.: Tchr., H. Schl., 1946-47; Asst. Instr., Mech. Engrn., Univ. of Mo., 1947-49; Instr., Ind. Edn., Univ. of Minn., Duluth Branch, 1949—. Mem.: A.V.A.; A.A.U.P.; N.A.I.T.T.. Areas of Splty.: Woodwork; Drawing.

SHADOAN, Russell L., Critic Tchr., E. Tenn. State Coll., Johnson City, Tenn.. b.: Feb. 20, 1921, Tateville, Ky.. Married, two children. Edn.: B.S., Eastern Ky. State Coll., Richmond, Ky., 1943; M.A., ibid, 1948. Exp.: Tchr., H. Schl., 1943; Eastern Ky. State Coll., Richmond, Ky., 1947-48; E. Tenn. State Coll., Johnson City, Tenn., 1948—. Areas of Splty.: Woodwork; Metalwork; Mech. Drawing. Travel: U.S.; Japan. Avoc. Ints.: Outdoor Sports.

SHAUNTEE, W. F. (l.i.), M.S., Asst. Prof., Dept. of Ind. Arts, Ky. State Coll., Frankfort, Ky..

SHENK, John B., Instr., State Tchrs. Coll., Millersville, Pa.. b.: Feb. 26, 1913, Lancaster, Pa.. Married, one child. Edn.: B.S., State Tchrs. Coll., Millersville, Pa., 1934; M.S., Univ. of Pa., Philadelphia, Pa., 1941. Exp.: Tchr., Lancaster Boys H. Schl., Lancaster, Pa., 1934-37; Tchr., Supv., State Tchrs. Coll., Millersville, Pa., 1937—; Loft Engr. in Aircraft, Armstrong Cork Co., Lancaster, Pa., 1943-45. Publs.: Meet the Amish, Rutgers Univ. Press, 1947. Mem.: A.I.A.A.; N.E.A.; P.S.E.A., Past Pres., local branch; A.V.A.; Pa. Voc. Assn.; Lancaster County Ind. Arts and Voc. Assn., Past Pres.; A.A.U.P., Past V. Pres.; Amer. Assn. for the Advancement of Science; Phi Sigma Pi, Adviser to campus chapt.. Areas of Splty.: Metals; Woods; Electricity; Drawing; Supvn. of Practice Tchrs. in Drawing. Travel: U.S.; Canada. Avoc. Ints.: Dramatics; Pub. Speaking; Photo.; Writing; Pub. Relations; Study of Electronics; Wood and Metal Crafts; Others.

SHUMATE, B. D. (l.i.), Instr., Ind. Arts Edn., Agricultural, Mechanical and Normal Coll., Pine Bluff, Arkansas.

SHUTSY, Irvin J., Instr., State Tchrs. Coll., California, Pa.. b.: Sept. 8, 1916, Vanderbilt, Pa.. Married, one child. Edn.: B.S., State Tchrs. Coll., California, Pa., 1940; M.Ed., Univ. of Pittsburg, 1948. Exp.: Jr. Sr. H. Schl., Washington, Pa., 1940-48; State Tchrs. Coll., California, Pa., 1948—. Mem.: Phi Sigma Pi; Epsilon Pi Tau; A.I.A.A.. Area of Splty.: Woodwork. Travel: England; Africa; France. Avoc.

Ints.: Home Const..

SIEFERT, Edwin William, Assoc. Prof., The Stout Inst., Menomonie, Wis.. b.: Sept. 20, 1914, Menomonie, Wis.. Married. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1936; M.Ed., Wayne Univ., Detroit, Mich., 1945; Other Grad. Study. Exp.: Instr., Shop Work, H. Schl., Zumbrota, Minn., 1936-39; Voc. Schls., 1939-40; Instr., Air Corps Inst., 1940; U.S. Office of Edn., Washington, D.C., 1941; U.S. Air Service Cmd., Middletown, Pa., 1941-44; Dir. of Training, U.S.A.A.F., Selfridge Field, 1944-45; Rapids-Standard Co., 1946-47; Instr., Univ. of Ill., 1947-49; Edn. Specialist, U.S.A.A.F., Chanute Field, Ill., 1949-50; Instr., The Stout Inst., Menomonie, Wis., 1950--. Publs.: Numerous mag. articles; Tech. Training Instructional Sheets for U.S.A.A.F.. Mem.: A.A.U.P.; A.V.A.; Wis. Edn. Assn.; Toastmasters International; Midwest Coaches and Officials Assn.; Sportsman's Club. Area of Splty.: Mech. Drafting. Travel: U.S.; Canada. Avoc. Ints.: Photo.; Hunting; Fishing; Officiating Football and Basketball; Mechs..

SILVIUS, G. Harold, Prof. & Chmn. of Ind. Edn., Wayne Univ., Detroit, Mich.. b.: Apr. 4, 1908, Verdi, Minn.. Married, one child. Edn.: B.S., Stout Inst., 1930; M.A., Wayne Univ., 1936; Ed.D., Pa. State Coll., 1946. Exp.: Tchr., Ind. Arts, Detroit Pub. Schls., 1929-35; Wayne Univ., 1936---. Publs.: Author and Co-author of several books and pamphlets published by Wayne Univ.; Contributed to various magazines; Student Planning Book; Safe Practices in Shop Work (Series); Teaching Successfully in Industrial Arts and Vocational Education. Member: A.A.U.P.; N.E.A.; A.I.A.A.; A.C.I.A.T.E.; Miss. Valley Ind. Arts Conf.; N.A.I.T.T., Pres., 1947-48; A.V.A., Research Com., 1948-50; Am. Tech. Ed. Assn.; Mich. Ind. Edn. Soc., Chair., Research Com., 1944-48; Mich. Com. for Voc. Tchr. Edn., Chair., 1950---; Mich. Voc. Assn.; Natl. Assn. of Technical Schls. and Insts.; Detroit Tchrs. Assn.; Mu Sigma Pi; Epsilon Pi Tau; Iota Lambda Sigma; Phi Delta Kappa; Others. Areas of Splty.: Ind. Arts and Voc. Ind. Edn.; Admin.; Edn. Psychology; Sec. Edn.. Travel: U.S.. Avoc. Ints.: Gardening; Fishing; Photo.; Home Workshop; Reading.

SIMMONS, Darrell D., Instr., Memphis State Coll., Memphis, Tenn.. b.: Nov. 13, 1916, Conway, Ark.. Married, two children. Edn.: B.S.E., Ark. State Tchrs. Coll., Conway, 1940; M.S., Okla. A. & M. Coll., Stillwater, 1949; Henry Ford Trade Schl.. Exp.: Ind. Arts Tchr., Public Schls., 1940-50; Instr., Ind. Arts, Memphis State Coll., 1950--. Mem.: Phi Delta Kappa; Iota Lambda Sigma; Tenn. Edn. Assn.. Areas of Splty.: Woodworking; Wood Finishing; Upholstery.

SIRO, Einar E., Prof. of Ind. Arts and Head of Dept., Chico State Coll.,

Chico, Calif.. b.: Mar. 16, 1910, Toimi, Minn.. Married. Edn.: B.S., The Stout Inst., 1933; M.A., Univ. of Minn., 1936; Ph.D., ibid, 1949. Exp.: Pub. Schl. Tchr., 8½ yrs.; Tchr. Edn., 9½ yrs.. Publs.: Numerous articles in professional magazines. Mem.: A.I.A.A.; A.C.I.A.T.E.; A.V.A.; N.A.I.T.T.; Calif. Ind. Edn. Assn.; Assn. of Calif. State Coll. Instrs.; Calif. State Employees Assn.; Epsilon Pi Tau; Phi Delta Kappa. Areas of Splty.: Profnl. Courses; Wood; Drawing; Metals; Graphic Arts. Travel: Mexico; Canada. Avoc. Ints.: Hunting; Fishing.

SKAMSER, Harold P., Assoc. Prof., Mich. State Coll., E. Lansing, Mich.. b.: Apr. 6, 1909, Superior, Wis.. Married, two children. Edn.: B.E., Superior State Coll., 1931; M.A., Univ. of Minn., 1945; B.S. in E.E., Mich. State Coll., 1948. Exp.: Tchr., Pub. Schls. of Wis., Minn., and Ill., 1933-42; Asst. Prof., Va. Poly. Inst., 1942; Assoc. Prof., Mich. State Coll., 1942—; Bridge and Bldg. Const., Northwestern R. R., 1937; Designer, Natl. Iron Co., 1948-49; Layout Draft. and Experimental Engrn., Reo Motors, 1951. Publs.: Contbd. to the following magazines: "Michigan Counselor", "Industrial Newsletter", "Spartan Engineer", and "Jour. of Engrn. Drawing"; Your Future in Engineering, author, 1951. Mem.: Tau Beta Pi; Phi Delta Kappa; Kappa Rho Epsilon; A.A.U.P.; A.S.E.E., Pres., Mich. State Coll. branch. Areas of Splty.: Training Drafting Tchrs.. Travel: Europe; Mexico; Canada; U.S.. Avoc. Ints.: Kiwanis Club; Scouting.

SKINNER, Halver M., Assoc. Prof., Montana State Coll., Bozeman, Mont.. b.: Dec. 10, 1908, Norman, Idaho. Married, four children. Edn.: B.S., Utah State Agri. Coll., 1935; Grad. Study. Exp.: Tchr., Bear River H. Schl., 1935-47; Mont. State Coll., Bozeman, 1947—. Publs.: Contbd. to "Popular Mechanics"; Utah State Educational Department Publications. Mem.: Utah State Tchrs. Assn.; Natl. Tchrs. Assn.; Voc. Tchrs. Assn.; Boxelder County Tchrs. Assn.. Areas of Splty.: Auto Mechs.; Mach. Shop; Welding. Travel: Canada; Hawaii. Avoc. Ints.: Methods of Tching.; Methods of Grading Shop Activities; Relation of Schl. and Home.

SLACK, N. C. (l.i.), Asst. Prof., Dept. of Ind. Arts, Neb. Wesleyan Univ., Lincoln, Nebraska.

SMALL, A. J., (l.i.), M.A., Instr., Ind. Arts Dept., Univ. of Tampa, Tampa, Florida.

SMALTZ, J. J. (l.i.), M.S., Assoc. Prof., Dept. of Shop Practice, Kan. State Coll., Manhattan, Kansas.

SMETHERS, H. D. (l.i.), M.S., Instr., Dept. of Shop Practice, Kan. State Coll., Manhattan, Kansas.

SMITH, Asbury, Prof. of Ind. Arts, Chair., Ind. Arts Dept., Cent. State Coll., Edmond, Okla.. b.: Aug. 22, 1911, McKinney, Tex.. Married, two children. Edn.: B.S., Cent. State Coll., Edmond, Okla., 1940; M.S., Okla. A. & M. Coll., Stillwater, 1942. Exp.: Prin., Jr. H. Schl., 1940-42; Tchr., Shop, H. Schl., 1941-42; Tchr., Coll., 1942—. Mem.: A.I.A.A.; N.E.A.; A.V.A.; A.C.I.A.T.E.; N.A.I.T.T.; Miss. Valley Ind. Arts Conf.; Okla. Ind. Arts Assn., Pres., 1947-48; Okla. Edn. Assn.; Okla. Voc. Association; Iota Lambda Sigma; Phi Delta Kappa; Epsilon Pi Tau; A.C.I.A.T.E.. Areas of Splty.: Woodwork; Metalwork; Drafting. Travel: U.S.. Avoc. Ints.: Boat Bldg. and Designing; Small Boat Sailing.

SMITH, Everett G., Assoc. Prof. of Ind. Edn., La. State Univ., Baton Rouge, La.. b.: Oct. 28, 1906, Chetek, Wis.. Married, two children. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1932; M.S., La. State Univ., 1947. Exp.: Beaver Dam Voc. Schl., Beaver Dam, Wis., 1932-37; La. State Univ., Baton Rouge, La., 1937—. Publs.: How Much Coll. Credit for Trade Exp., 1948. Mem.: N.A.I.T.T.; Amer. Welding Soc.; Natl. Rifle Assn.; A.V.A.; La. Voc. Assn.; Epsilon Pi Tau; Phi Delta Kappa, Pres., Beta Alpha Chapt., 1950-51. Areas of Splty.: Welding; Metallurgy; General Metals. Travel: U.S.. Avoc. Ints.: Bee Keeping; Gardening; Experimental Mechanics.

SMITH, Homer J., Prof. of Ind. Edn. and Head, Dept. of Ind. Edn., Univ. of Minn., Minneapolis, Minn.. b.: Dec. 3, 1885, Livingston, Wisconsin. Married, three children. Edn.: Ph.B., Univ. of Wis., 1915; M.A., Univ. of Minn., 1922; Ph.D., ibid, 1926. Exp.: Tchr. and Prin., Pub. Schls., 12 yrs.; Univ. of Minn., 1921—. Publs.: Author of several books and bulletins and approximately 100 magazine articles. Mem.: N.E.A., Pres., Ind. Arts Div.; A.V.A., Past V. Pres., Ind. Arts Div.; A.A.U.P.; Amer. Assn. for Adult Edn.; N.A.I.T.T., Past Sectry. and Treas., Past Pres.; Minn. Voc. Assn., Pres. Twice; Phi Delta Kappa; Epsilon Pi Tau; Iota Lambda Sigma; Mu Sigma Pi; Miss. Valley Ind. Arts Conf.. Areas of Splty.: Admin.; Supvn.; Methods. Travel: U.S.; Germany. Avoc. Ints.: Reading; Writing; Community and Social Affairs; Home Upkeep.

SMITH, James W., Asst. Prof., Ore. State Coll., Corvallis, Ore.. b.: Apr. 21, 1921, Roseburg, Ore.. Married, two children. Edn.: B.S., Ore. State Coll., Corvallis, 1947. Exp.: Draftsman, Ore. Shipbuilding Corp., 1942; U.S.N., 1942-46; Ore. State Coll., Corvallis, 1947—. Mem.: Amer. Foundrymen's Soc.; Epsilon Pi Tau. Area of Splty.: Cast Metals and Foundry Work. Travel: Australia; England; Belgium; Holland. Avoc. Ints.: Carpentry; Photography.

SMITH, L. T., Head, Ind. Arts Dept., Western Ky. State Coll., Bowling

Green, Ky.. b.: July 28, 1897, Superior, Ia.. Married, one child. Edn.: B.S., Bradley Polytechnic Inst., Peoria, Ill., 1930; M.A., Geo. Peabody Coll. for Tchrs., Nashville, Tenn., 1931. Exp.: Ind. Arts Tchr., Washington, Ia., 1917-19; Instr., T. & I. Dept., Ia. State Coll., Ames, Ia., 1919-20; Organized Ind. Arts Dept., Western Ky. State Coll., Bowling Green, 1920. Mem.: A.C.I.A.T.E.; Ind. Arts Conf.; Ky. State Conf. of Ind. Arts Tchr. Trainers, Chair.; Ky. Edn. Assn., Past Pres., Ind. Arts Div.; Rotary Club, Past Pres.; Advisory Com. Ind. Arts Awards; Southern Intercollegiate Athletic Assn., Pres.; Phi Delta Kappa; XV Club, local literary club. Areas of Splty.: Drawing; Organ. and Admin.. Travel: U.S.; Canada; Cuba. Avoc. Ints.: Scholastic Athletics; Handcrafts; Gardening; Golf; Hunting.

SMITH, Robert E., Assoc. Prof. of Ind. Arts, Central Mo. State Coll., Warrensburg, Mo.. b.: Jan. 20, 1896, El Dorado Springs, Mo.. Married, two children. Edn.: B.S., Central Mo. State Coll., 1925; M.A., Ohio State Univ., 1932. Exp.: Tchr. and Supt., H. Schl., 1924-36; Coll. Ind. Arts Teaching, 1936--. Mem.: N.A.I.T.T.; A.V.A.; N.E.A.; Mo. State Tchrs. Assn.; Mo. Ind. Edn. Assn.. Area of Splty.: Wood.

SMITH, Victor J., (retired) Prof. of Ind. Edn. Dept., Sul Ross State Coll., Alpine, Texas. b.: Nov. 10, 1890, Richmond, Ind.. Married, four children. Edn.: Ph.B., Univ. of Chicago, 1923; M.A., Columbia Univ., 1929; Prof. Diploma, Supv., Ind. Arts, Columbia Univ., 1929; Reg. Architect, Texas. Exp.: Instr., Manual Training, H. Schl., Cuero, Texas, 1912-13; Instr., Supv. of Ind. Arts, San Angelo, Texas, 1913-20; Head, Ind. Arts Dept., Sul Ross Coll., 1920-1952; Dir., Voc. Schl., El Paso, Texas, 1922-23; U.S. Army, 1918, 1942-44. Publs.: Some 20 articles on Ind. Arts and Voc. Edn.; Some 15 articles on Anthropological and Archaeological subjects, largely on arts and crafts of American Indians. Mem.: W. Texas Hist. and Scientific Soc., Past Pres.; Texas Archaeologican and Paleontological Soc., Past Pres.; Texas Folk Lore Soc., Past Pres.; T. S. Tchrs. Assn., Ind. Edn. Sect., Past Pres.; T.S.T.A., Ind. Arts Sect., Past Pres.; Amer. Anthropological Assn., Fellow; Texas Academy of Science, Fellow, Honorary Life; Texas Soc. of Architects; A.I.A.A.; A.C.I.A.T.E.; State, Local, and Dist. Tchrs. Assns.; Policies and Planning Com., Ind. Arts, Texas; Dir., S.W. Div. A.A.A.S.; Amer. Assn. Adv. Science; Epsilon Pi Tau. Areas of Splty.: Methods; Drafting. Travel: U.S.; Mexico. Avoc. Ints.: Archaeological Research; Museum Collections.

SMOYER, Alexander R., Instr., State Tchrs. Coll., Calif., Pa.. b.: Mar. 20, 1913, Shamokin, Pa.. Married, three children. Edn.: B.S.,

State Tchrs. Coll., Calif., Pa., 1943; M.Ed., Univ. of Pittsburg, 1950. Exp.: Teaching, 1943---; Mach. Shop, Foundry, and Open Hearth Work, 1937-42. Mem.: A.I.A.A.; N.E.A.; P.S.E.A.; Phi Sigma Pi; Epsilon Pi Tau. Areas of Splty.: Mach. Shop; Mach. Drawing. Travel: Hawaii; Panama; Cuba; W. Indies. Avoc. Ints.: Radio Const.; Mach. and Tool Design; Philately.

SNEED, E. C. (l.i.), B.S., Ind. Arts Dept., Dixie Coll., St. George, Utah.

SNELL, W. H., Prof., Brigham Young Univ., Provo, Utah. b.: June 1, 1887, Spanish Fork, Utah. Married, ten children. Edn.: B.A., Brigham Young Univ., Provo, Utah, 1918; M.S., ibid, 1939; Other Grad. Study. Exp.: Tchr., Pub. Schls., Cowley, Wyo., 2 yrs.; Brigham Young Univ., Provo, Utah, 1915---. Areas of Splty.: Engrn.; Mechanics.

SNIDOW, Harold J., Asst. Prof., Indiana State Tchrs. Coll., Terre Haute, Indiana. b.: Jan. 29, 1908, Ft. Collins, Colo.. Married, two children. Edn.: B.A., Colo. State Coll. of Edn., Greeley; M.A., Colo. A. & M. Coll., Ft. Collins; M.Ed., Univ. of Ill.. Exp.: Tchr., H. Schl., 1934-41; State Tchrs. Coll., Ellendale, N.D., 1941-42; State Tchrs. Coll., Chadron, Neb., 1942-44; Indiana State Tchrs. Coll., Terre Haute, 1946---. Mem.: A.V.A.; Indiana Ind. Edn. Assn.; Phi Delta Kappa Areas of Splty.: Drawing; Wood.

SNODGRASS, J. B. (l.i.), M.Ed., Prof., Dept. of Ind. Arts, Sam Houston State Tchrs. Coll., Huntsville, Texas.

SNOEYENBOS, G. E., Head, Dept. of Industry, The James Millikin Univ., Decatur, Ill.. b.: Sept. 16, 1922, Emerald, Wis.. Married. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1945; Grad. Study. Exp.: Hardware Salesman, 1940; Carpenter and Contractor, 1942-44; Tchr., H. Schl., Milwaukee, Wis., 1946; Head, Ind. Arts Dept., State Tchrs. Coll., Valley City, N.D., 1946-48; Head, Dept. of Industry, James Millikin Univ., Decatur, Ill., 1948---. Mem.: Epsilon Pi Tau. Areas of Splty.: Metals; Materials Testing; Personnel Management. Travel: U.S.. Avoc. Ints.: Gunsmithing; Archery.

SODERBERG, George A., Asst. Prof., The Stout Inst., Menomonie, Wis.. b.: Sept. 22, 1909, Chicago, Ill.. Married, four children. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1944; M.A., Univ. of Minn., 1948. Exp.: Rural Schl., Clark County, Wis., 1928-38; Store Owner, 1938-40; Tchr., H. Schl., Newcastle, Indiana, 1944-45; The Stout Inst., Menomonie, Wis., 1945---. Mem.: A.V.A.; N.E.A.; Wis. Edn. Assn.. Areas of Splty.: Woodwork; Wood Finishing. Travel: U.S.. Avoc. Ints.: Music.

SOGGE, George L., Assoc. Prof. of Ind. Arts, Cent. Wash. Coll. of Edn., Ellensburg, Wash.. b.: Aug. 14, 1910, Two Rivers, Wis.. Married, two children. Edn.: B.S., The Stout Inst., 1938; M.A., Ohio State Univ., 1941; Other Grad. Study. Exp.: Officer, U.S.N.; Central Wash. Coll. of Edn., 1938—. Mem.: A.I.A.A.; A.A.U.P.; Wash. Ind. Arts Assn., chair., first convention; Wash. Edn. Assn.; Epsilon Pi Tau. Areas of Splty.: Woodwork; Drawing; Methods; Shop Planning; Design. Travel: Extensive with U.S.N.. Avoc. Ints.: Book Collecting, first editions; Skiing.

SONDERMAN, Robert B., Instr., Ind. Arts, Supv., Stud. Tchrs., Univ. of Mo., Columbia, Mo.. b.: June 20, 1922, St. Louis, Mo.. Married, one child. Edn.: B.S., Univ. of Mo., 1948; M.Ed., ibid, 1949. Exp.: Grad. Asst., Part Time Instr., Farm Shop, Univ. of Mo., 1948-49; Instr., Ind. Arts, Hadley Tech., St. Louis, Mo., 1949-50; Instr., Ind. Arts, Supv., Stud. Tchrs., Univ. of Mo., 1950—. Mem.: N.E.A.; Mo. State Tchrs. Assn.; Phi Delta Kappa. Area of Splty.: Supv. of Stud. Tchrs.. Travel: U.S.; Hawaii. Avoc. Ints.: Reading; Photo.; Athletics; Crafts.

SORENSEN, Stanley D., Asst. Prof., Northern Mich. Coll. of Edn., Marquette, Mich.. b.: June 19, 1915, Kenosha, Wis.. Married, one child. Edn.: B.S., The Stout Inst., 1939; M.S., Univ. of Wis., 1949. Exp.: Tchr., Ind. Arts, Cresaptown Jr. H. Schl., Alleghany Co., Md., 1939-40; Tchr., Machine Shop, Horlich H. Schl., Racine, Wis., 1940-44; Instr., Drawing and Des. Geom., Univ. of Wis., Madison, Wis., 1944-49; Instr., Ind. Arts, Northern Mich. Coll. of Edn., Marquette, Mich., 1949—. Mem.: Mich. Edn. Assn.. Areas of Splty.; Drawing and Des. Geom.; Metalwork. Travel: England; France; Holland; Belgium; Germany; Norway; Denmark; Canada; U.S.. Avoc. Ints.: Music; Photography.

SORRELS, Leslie Earl, Instr., N. Tex. State Coll., Denton, Tex.. b.: Dec. 11, 1915, Ennis, Tex.. Married, one child. Edn.: B.S., N. Tex. State Coll., Denton, 1940; M.S., ibid, 1948. Exp.: Roadway Mach. Oper. and Brakeman, T. & N.O. and Southern Pacific Railroads, 1937-39; Ind. Arts Tchr., Kingsville Pub. Schls., Kingsville, Tex., 1940-42; Ind. Arts Tchr., Ft. Worth Pub. Schls., Ft. Worth, Tex., 1942, 1946-47; War Production Foreman and Job Instr., Consolidated Vultee Aircraft Co., 1942-46; Instr., Ind. Arts, N. Tex. State Coll., Denton, 1947—. Publs.: Gen. Crafts. Mem.: A.V.A.; N.V.A.; A.A.U.P.; Amer. Soc. Tool Engrs., Nominating Committeeman; Phi Delta Kappa. Areas of Splty.: Gen. Crafts; Mech. Drawing. Travel: U.S.; Mexico. Avoc. Ints.: Design; Fishing; Hunting; Archery.

SOTZIN, Heber A., Dir., Div. of Applied Arts, San Jose State Coll.,

San Jose, Calif.. b.: Sept. 22, 1893, Pine Grove, Pa.. Married, two children. Edn.: Williamson Trade Schl., 1914; B.A., Geo. Wash. Univ., 1923; M.A., ibid, 1926; Ph.D., Univ. of Cincinnati, 1929; Diploma, Ind. Personnel Mgt., Univ. of Santa Clara, 1943; Calif. Life Credentials: Gen. Teaching Credential, 1-14 grades inclusive; Gen. Administrative Credential, Elem., Jr. and Sr. H. Schl., Jr. Coll., Asst. and/or Assoc. and/or Supt.. Exp.: Indiana H. Schls., 2 yrs.; Instr., Woodwork, Man. Arts, and Smith-Hughes Voc., Erie, Pa., 2 yrs.; Instr., Wood Patternmaking, Mech. Drawing, McKinley Tech. H. Schl., Wash., D.C., 8 yrs.; Teaching Fellow, Univ. of Cincinnati, 2½ yrs.; Prof. of Ind. Arts, Dir., Div. of Ind. Edn., San Jose State Coll., San Jose, Calif., 1929—; Prof. of Edn., 1931—. Publs.: Ph.D., Dissertation, "An Ind. Arts Curr. for Grades Four to Twelve, Inclusive."; The Function of the Schl. to Foster Economic Competence, monograph; A Guide for Ind. Arts, monograph, co-author; Life Adjustment Edn., monograph; Contbd. to numerous mags.. Mem.: N.E.A.; A.V.A.; A.V.G.A.; A.I.A.A.; A.C.I.A.T.E.; A.A.U.P.; A.A.I.T.; N.A.I.T.T.; Calif. Ind. Edn. Assn.; Epsilon Pi Tau, Faculty Adviser, Nat. Trustee, Pacific Coast Governor; Phi Delta Kappa; Acacia. Areas of Splty.: Woodwork; Drafting; Wood Patternmaking; Curriculum. Travel: Northern Hemisphere; Hawaii. Avoc. Ints.: Gardening.

SOULES, Roy L., Prof. of Ind. Arts, Univ. of Calif., Santa Barbara Coll., Santa Barbara, Calif.. b.: Dec. 16, 1891, Mich.. Married, two children. Edn.: B.S., Santa Barbara State Coll., 1926; M.S., Univ. of Southern Calif., 1935. Exp.: Tchr., Ind. Arts, Santa Barbara City Schls., 1914-27; Teaching and Supervision between college and city schls., 1927—. Publs.: Planning Your Home, Co-author; Contributed to various magazines. Mem.: A.V.A.; N.A.I.T.T.; N.E.A.; Calif. Ind. Edn. Assn.; City Tchrs. Club; Calif. Tchrs. Assn.; Calif. Assn. of Sec. Edn.; Natl. Council of Local Administrators of Voc. Edn. and Pract. Arts; Calif. Assn. of Adult Edn. Administrators; Amer. Assn. for Adult Edn.; Univ. of Calif. Faculty Club; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Edn. Subjects; Supvn. of Student Teachers.

SPAULDING, B. W., Assoc. Prof. of Ind. Arts, San Jose State Coll., San Jose, Calif.. b.: July 21, 1888, Oconomowoc, Wis.. Married, two children. Edn.: B.A., San Jose State Coll., San Jose, Calif., 1923; M.A., Stanford Univ., 1936. Exp.: Dir., Man. Training, Coleraine, Minn., 1908-09; Prin., Irving Schl., Bozeman, Mont., 1909-11; Supv., Ind. Arts, Redland, Calif., 1911-13; San Jose State Coll., 1913—. Publs.: 101 Toy Patterns. Mem.: Calif. Tchrs. Assn.; Calif. Ind. Edn. Assn.; Epsilon Pi Tau; Phi Delta Kappa. Areas of Splty.: Arch. Draw-

ing; Furniture Making. Travel: Northern Hemisphere. Avoc. Ints.: House Planning.

SPAULDING, Roland Harvey, Prof. of Edn., N.Y. Univ., Wash. Square, N.Y.C.. b.: Dec. 1, 1893, Cincinnatus, N.Y.. Married, one child. Edn.: B.A., Syracuse Univ., 1920; M.A., Oxford Univ., England, 1925; Ph.D., N.Y. Univ., 1936. Exp.: Assoc. Prin., Silver Bay Schl. for Boys, 1921-23; Supt. of Schls., Waterford, N.Y., 1923-27; Chair., Math. Dept., Central Jr. H. Schl., New Rochelle, N.Y., 1927-28; Faculty, Schl. of Edn., N.Y. Univ., 1928—. Publs.: Books on Aeronautics and annotated bibliography, 1929; Some Present Prac. in Elem. and Sec. Aeronautical Edn., 1930; Problems of Aero. in Public Schls., 1930; Editor: "Proceedings of the First Natl. Conf. on Aero. Edn.," 1930; "Proceedings of the Second Natl. Conf. on Aero. Edn.", 1931; "Teachers Guide", 1944; "Skyways Magazine", 1944-45. Mem.: Assoc. Fellow, Inst. of the Aero. Sciences; Wings Club; N.Y.S. Avia. Council, past pres.; Natl. Avia. Edn. Council. Areas of Splty.: Ind. Arts, Voc., and Aero. Edn.; Voc. Rehabilitation. Travel: United States; Europe. Avoc. Ints.: Frame house const.; Economics; Philosophy.

SPENCER, Bertha A., Prof. and Dir., Div. of Art, Kan. State Tchrs. Coll., Pittsburg, Kan.. b.: Aug. 28, 1882, Paxton, Ill.. Edn.: B.S., Kan. State Tchrs. Coll., Pittsburg, 1921; M.A., Columbia Univ., 1927; Other Grad. Study. Exp.: Kan. State Tchrs. Coll., 1921—. Publs.: Contributed to various magazines. Mem.: N.E.A.; Natl. Art Edn. Assn.; Amer. Assn. of Univ. Women, local pres.; Kan. State Tchrs. Assn.; Kan. State Art Tchrs. Assn., Past Pres.; Kan. Federation of Art; Western Arts Assn.; Coll. Art Assn.; Kappa Pi, Natl. Sectry-Treas., 1946—; Delta Kappa Gamma, Local Pres., Past State and Regional Art Dir.; Kappa Delta Pi; D.A.R., Past Sectry-Treas.; P.E.O., Past Pres. Areas of Splty.: Crafts; Design; Art Appreciation; Print Making. Travel: U.S.; Canada; Alaska; Mexico; C. Amer.; Cuba; Europe. Avoc. Ints.: Printmaking; Textile Design.

SPIELMAN, Harold S., Instr., City Coll. of N. Y., N. Y., N. Y.. b.: Dec. 11, 1914, Philadelphia, Pa.. Married, one child. Edn.: B.S., City Coll. of N. Y., 1934; M.S., ibid, 1935; Ed.D., Columbia Univ., 1950. Exp.: Analytical Chemist, 1935-36; Physics Tchr., H. Schl., 1936-42; Instr. in Radio, U.S. Army Signal Corps, 1942-48; Radio Officer, Signal Corps, 1944-46; Instr. in Radio and Electronics, H. Schl., 1946-50; Instr. in Electronics, Columbia Univ., 1948-50; Instr., City Coll. of N. Y., 1950—. Mem.: N. Y. Ind. and Prac. Arts Assn.; N. Y. Science Tchrs. Assn.; Nat. Science Tchrs. Assn.; Amer. Assn. for Research in Science Teaching; Phi Delta Kappa; Kappa Delta Pi. Areas of Splty.: Basic Elect.; Radio; Electronics. Travel: Mexico; Hawaii; Philippine

Is.; Japan. Avoc. Ints.: Record Collecting.

SPILLMAN, Albert R., Prof. of Edn. and Dir. of Ind. Arts, City Coll. of N.Y., N. Y., N. Y.. b.: 1892, Friend, Neb.. Married, one child. Edn.: A.B., Colo. State Coll. of Edn., Greeley, 1916; M.A., N. Y. Univ., 1943. Exp.: Tchr., Pub. Schls., 1912-42; Supvr. of Voc. Div., N.Y.C., 1942-49; City Coll. of N. Y., 1949---. Mem.: A.V.A.; N. Y. State Ind. Arts Assn.; Am. Tech. Soc.; Phi Delta Kappa. Areas of Splty.: Mech. Drawing; Woodwork. Travel: Europe; Canada; United States. Avoc. Ints.: Singing.

STAEBNER, Emerson, Asst. Dir. of Ind. Arts, Boston Tchrs. Coll., Boston, Mass.. b.: May 3, 1896, Westfield, Mass.. Married, four children. Edn.: Sloyd Training Schl., 1920; B.S., Boston Tchrs. Coll., 1936; M.Ed., ibid, 1940. Exp.: Tchr., Pub. Schls., 1920-42; Training Schl. for Tchrs. of Mech. Arts, Boston, Mass., 1942-48; Ind. Arts Div., Boston Tchrs. Coll., 1948---. Mem.: Mass. Ind. Edn. Soc., Exec. Bd., 10 yrs.; Mass. Tchrs. Federation, Chair., Ind. Arts Com., 3 yrs.; Mass. Voc. Assn.. Areas of Splty.: Graphic Arts; Gen. Woods; Ind. Arts Edn.. Travel: England; France; Germany. Avoc. Ints.: Woodcarving.

STARK, L. E. (l.i.), B.S., Asst. Prof., Ind. Edn. Dept., The A. & M. Coll. of Texas, College Station, Texas.

STARK, Menzo H., Assoc. Prof. of Ind. Arts and Engr., Wilmington Coll., Wilmington, Ohio. b.: April 26, 1912, Norwalk, Ohio. Married. Edn.: B.S., Miami Univ., Oxford, Ohio, 1935; M.A., ibid, 1940. Exp.: Ind. Exp., 1929-31; Dir. of Maint., Bellevue Pub. Schls., 1942-46; Wilmington Coll., Wilmington, Ohio, 1946---. Mem.: A.I.A.A.; A.C.I.A.T.E.; Laureate Mem.; N.E.A.; N.A.I.T.T.; Ohio Edn. Assn.; Ohio Ind. Arts Assn., V. Pres., Prog. Chair.; Miami Valley Ind. Arts Assn., Past Pres.; Epsilon Pi Tau. Area of Splty.: Gen. Shop. Travel: U.S.. Avoc. Ints.: Gardening; Fishing; Hunting; Repair of Guns; Boats; Church Work; Community Activities.

STAVASKI, A. T. (l.i.), M.Ed., Instr., Ind. Arts Div., State Tchrs. Coll. at California, California, Pennsylvania.

ST. BLANC, Francis C., Instr., La. State Univ., Baton Rouge, La.. b.: July 7, 1921, Westwego, La.. Married, one child. Edn.: B.S., La. State Univ., 1950. Exp.: U.S. Public Health Service, 1946-50; La. State Univ., 1950---. Mem.: Epsilon Pi Tau; Phi Delta Kappa. Area of Splty.: Gen. Metal. Travel: U.S.; So. Pacific. Avoc. Ints.: Crafts.

STEFFEN, Harold J., Asst. Prof., State Univ. of N. Y., Tchrs. Coll., Buffalo, N.Y.. b.: Jan. 3, 1919, Buffalo, N. Y.. Married, three children. Edn.: B.S., N. Y. State Coll. for Tchrs., Buffalo, 1940; M.Ed.,

Univ. of Buffalo, 1947; Other Grad. Study. Exp.: Art Supv., Ticonderoga, N. Y., 1940-41; Instr. of Ind. Arts, Medina, N. Y., 1941-42; Curriculum Specialist, N. Y. State Dept. of Edn., 1942-43; U.S.A.A.F., 1943-45; Airport Mgr., 1945-46; Asst. Prof., State Univ. of N. Y., Tchrs. Coll., Buffalo, N. Y., 1946---. Publs.: Contbd. to "Bulletin of the Natl. Assn. of Sec. Schl. Principals". Mem.: A.V.A.; N.E.A.; A.A.U.P.; N.Y.S.V.P.A.A.; N. Y. State Tchrs. Assn.; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Mech. Drawing; Aviation; Audio-visual Aids; Auto Mechanics. Travel: U.S.; Mexico; Canada. Avoc. Ints.: Photo.; Crafts.

STEGEMAN, Arthur, Instr. of Ind. Arts, Northern Idaho Coll. of Edn., Lewiston, Idaho. b.: Apr. 15, 1911, Hamilton County, Neb.. Married, two children. Edn.: B.A., Neb. State Tchrs. Coll., Kearney, 1940; M.A., Colo. State Coll. of Edn., Greeley, 1947; Other Grad. Study. Exp.: Instr., Ind. Arts, H. Schl., Kingston, Idaho, 1940-42; Instr., Ind. Arts, H. Schl., Grangeville, Idaho, 1942-43; Instr., Ind. Arts, H. Schl., Kellog, Idaho, 1946-48; Instr., Ind. Arts, Northern Idaho Coll. of Edn., Lewiston, 1949---. Mem.: A.C.I.A.T.E.; Kappa Delta Pi; Phi Delta Kappa. Areas of Splty.: Metals; Woods.

STERNITZKE, Vincent L., Dir. of Printing, Northern Okla. Jr. Coll., Tonkawa, Okla.. b.: July 7, 1925, Boonville, Mo.. Married, one child. Edn.: B.S.Ed., Kan. State Tchrs. Coll., Pittsburg, Kan., 1948; M.A., Summer, 1952. Exp.: Newspaper Work, 1948-49; Dir. of Printing, Northern Okla. Jr. Coll., Tonkawa, 1949---. Mem.: Okla. Edn. Assn.. Areas of Splty.: Education and Guidance. Travel: Mexico; Dominican Republic; Hawaii; Philippines; Bikini Atoll. Avoc. Ints.: Math..

STEVENSON, James E., Assoc. Prof. of Ind. Arts, San Jose State Coll., San Jose, Calif.. b.: Feb. 22, 1906, Eagle Rock, Calif.. Married. Edn.: B.S., Univ. of Calif., 1931; M.A., Stanford Univ., 1936. Exp.: Fremont Union H. Schl., Sunnyvale, Calif., 1936-37; Santa Ana H. Schl., Santa Ana, Calif., 1937-38; San Jose State Coll., Calif., 1938---. Mem.: Epsilon Pi Tau; Phi Delta Kappa. Areas of Splty.: Mach. Shop; Tool and Die Journeyman; Auto Shop; Metalcraft; Woodwork. Travel: Around the World Twice; Orient. Avoc. Ints.: Boating; Boat Bldg..

STEWART, P. E. (l.i.), M.S., Assoc. Prof., Dept. of Ind. Edn., Tenn. A. and I. State Coll., Nashville, Tennessee.

STICKNEY, W. H., Assoc. Prof., Prairie View Agri. and Mech. Coll., Prairie View, Texas. b.: Greensboro, Ala.. Married, two children. Edn.: Three yrs. of coll. Exp.: Asst. Instr. of Printing, Ala. A. & M. Coll., 1924-27; Head, Printing Dept., Fla. A. & M. Coll., 1927-43;

Production Mgr., A.M.E. Pub. House, Nashville, Tenn., 1943-45; Head, Dept. of Printing, Prairie View A. & M. Coll., 1945---. Mem.: Amer. Tchrs. Assn.; Amer. Inst. of Graphic Arts; International Graphic Arts Edn. Assn.; Tex. State Tchrs. Assn.. Area of Splty.: Printing. Travel: Mexico. Avoc. Ints.: Photography.

STIERWALT, Floyd H., Instr., Northeastern State Coll., Tahlequah, Okla.. b.: May 25, 1923, Delaware, Okla.. Married. Edn.: B.S., Northeastern State Coll., Tahlequah, Okla., 1948. Exp.: Tchr., Ind. Arts, H. Schl., 1947-50. Mem.: Okla. Edn. Assn.; N.E.A.. Area of Splty.: Gen. Shop. Travel: South Pacific. Avoc. Ints.: Hunting; Fishing.

STOMBAUGH, Ray M., Prof. of Ind. Arts, Dir., Div. of Ind. Arts Edn., Ill. State Normal Univ., Normal, Ill.. b.: Aug. 2, 1893, Davison, Mich.. Married, one child. Edn.: B.S., The Stout Inst., 1929; M.A., Columbia Univ., 1932; Ph.D., ibid, 1935. Exp.: Pub. Schls., Vancouver, Wash., 1916-24; Central H. Schl., Flint, Mich., 1924-31; Tchrs. Coll., Columbia Univ., 1931-35; Ill. State Normal Univ., Normal, 1935---. Mem.: N.E.A.; A.I.A.A.; A.C.I.A.T.E.; A.V.A.; Natl. Safety Council; Ill. Ind. Edn. Assn.; Ill. Edn. Assn.; Phi Delta Kappa; Kappa Delta Pi; Epsilon Pi Tau. Areas of Splty.: Drawing; Woodwork; Metalwork; Safety Edn.. Travel: U.S.; Canada. Avoc. Ints.: Fishing; Travel; Gardening; Handicrafts.

STONER, William D., Prof., Head, Ind. Arts Edn. Dept., Miami Univ., Oxford, Ohio. b.: Aug. 13, 1893, Celina, Ohio. Married. Edn.: B.S., Miami Univ., Oxford, Ohio, 1926; M.A., Ohio State Univ., 1929; Ph.D., ibid, 1940. Exp.: Tchr., Pub. Schls.: Seven Mile, Ohio, 1916-17; U.S. Army, 1917-19; Kent, Ohio, 1919-24; Miami Univ., Oxford, Ohio, 1924---. Publs.: Improvement of Ind. Arts Teaching on a Natl. Basis, "Ind. Arts Tchr.", Dec., 1950. Mem.: N.E.A.; A.C.I.A.T.E.; O.E.A.; A.I.A.A.; Ohio Edn. Council; Miss. Valley Ind. Arts Conf.; Epsilon Pi Tau; Phi Delta Kappa. Areas of Splty.: Organ.; Woodworking; Drafting; Administration; Methods. Travel: U.S.; Canada, England; France. Avoc. Ints.: Fishing; Furn. Making; Sports.

STORM, John A., Asst. Prof., State Univ. of N.Y., Tchrs. Coll., Oswego, N.Y.. b.: Dec. 12, 1910, Utica, N.Y.. Married, one child. Edn.: B.S., Syracuse Univ., 1936; M.S., ibid, 1950. Exp.: Marathon H. Schl., Marathon, N.Y., 1935-37; Benj. Frank. H. Schl., Yonkers, N.Y., 1937-42; Dir., Electrician Schl., U.S.N., 1943-44; Ilion H. Schl., Ilion, N.Y., 1945-46; Remington Trade Schl., Ilion, N.Y., 1945-46; State Tchrs. Coll., Oswego, N.Y., 1948---. Mem.: A.V.A.; N.E.A.; N.Y.S.V.P.A.A.; A.I.A.A.; Assn. for Supvn. and Curr. Dev.; N.Y.S. Tchrs. Assn.; Kappa

Phi Kappa; Phi Delta Kappa; Epsilon Pi Tau. Area of Splty.: Admin. and Supvn.. Travel: England; France; Africa; Canada. Avoc. Ints.: Fishing.

STOVES, William H., Asst. Prof., Engrn. Shops Dept., Ala. Poly. Inst., Auburn, Ala.. b.: Aug. 15, 1895, Birmingham, Ala.. Married, one child. Edn.: B.S., Mech. Engrn., Ala. Poly. Inst., Auburn, 1927; M.S., ibid, 1932. Exp.: Patternmaker, 1912-16; Ala. Poly. Inst., 1916-17, 1920-22, 1924-27, 1946—; U.S. Army, 1917-20; Tchr., H. Schl., 1926-46. Mem.: Pi Kappa Phi. Travel: World Wide. Avoc. Ints.: Gliding.

STREET, C. M., Assoc. Prof., Memphis State Coll., Memphis, Tenn.. b.: Grand Junction, Tenn.. Married. Edn.: B.S., Memphis State Coll., 1939; M.S., Univ. of Tenn., 1946. Exp.: Contractor, 7 yrs.; Elem. Prin., 1932-35. Areas of Splty.: Metalwork; Electricity. Avoc. Ints.: Electricity; Farming.

STRICKLAND, Harry F., Instr., N.Y. Univ., Wash. Square, N.Y.C.. b.: Aug. 2, 1916, Gaines, N.Y.. Married, three children. Edn.: B.S., State Tchrs. Coll. at Buffalo, 1939; M.A., Univ. of N.Y., 1948. Exp.: Camp Kenan, Barker, N.Y., 1936; Camp Mon-O-Moy, E. Brewster, Mass., 1937; Crafts Shop, Gustavous Adolphus Children's Home, Jamestown, N.Y., 1939; Ind. Arts, Millbrook Memorial Schl., 1939-42; Supv., 3532 A.A.F. Base Unit, 1942-44; Wind tunnel model maker, Republican Avia., 1944-45; Glenn H. Curtiss Central Rural Schl., Hammondsport, N.Y., 1944-47; Instr., N.Y. Univ., 1947---. Mem.: Epsilon Pi Tau; N.E.A.; N.Y.S.V.P.A.A.; A.V.A.. Areas of Splty.: Gen. Metal and Wood Shops; Craft Shop. Avoc. Ints.: Photo.; Y.M.C.A.; Indian Guides.

STRICKLAND, Thomas W., Asst. Prof., Ind. Arts and Voc. Edn., Univ. of Fla., Gainesville, Fla.. b.: Oct. 28, 1917, Atlanta, Ga.. Married, one child. Edn.: B.S.E., Univ. of Fla., 1944; M.A.E., ibid, 1947. Exp.: Prin., Fowltown Consolidated Schl., Fowltown, Ga., 1939-41; Prin., Bell Dixon Consolidated Schl., Climax, Ga., 1941-42; Tchr., Ind. Arts, Mainland H. Schl., Daytona Beach, Fla., 1942-43; Tchr., Ind. Arts and Math., P. K. Yonge Lab. Schl., Gainesville, Fla., 1943-44; Asst. Prof., Ind. Arts, Univ. of Fla., Gainesville, 1944—. Mem.: A.I.A.A.; N.E.A.; A.C.I.A.T.E.; Fla. Ind. Arts Assn.; Fla. Edn. Assn.; Kappa Delta Pi; Phi Kappa Phi; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Mech. and Arch. Drawing. Travel: U.S.; Hawaii. Avoc. Ints.: Outdoor Sports.

STRICKLER, Fred, Prof. of Ind. Edn. and Dean, Bennett Coll., Bradley Univ., Peoria, Ill.. Edn.: B.S., Columbia Univ., 1923; M.A., ibid, 1924; Ph.D., ibid, 1928. Exp.: Pub. Schl. Tchr., 20 yrs.; Instr., Asst.

Prof., and Assoc. Prof., Columbia Univ., 1927-47; Dean, Div. of Ind. Arts, Bradley Univ., 1947---. Publs.: Various magazine articles. Mem.: A.V.A.; A.C.I.A.T.E.; Miss. Valley Ind. Arts Conf.; Phi Delta Kappa; Kappa Delta Pi; Iota Lambda Sigma; Founder and Exec. Sectry., Ind. Educator's Supervisory Conference. Area of Splty.: Profnl. Courses.

STROBEL, Joseph R., Assistant Commissioner of Education, Director of Vocational Education, Federal Security Building, Washington, D.C.. b.: Apr. 1, 1903, Houghton, Mich.. Married. Edn.: Diploma, Stout Inst., Menomonie, Wis., 1923; B.S., Western Reserve Univ., Cleveland, Ohio, 1932; M.A., ibid, 1936; Ed.D., ibid, 1949. Exp.: Ind. Arts Instr., Cleveland Pub. Schls., Ohio, 1923-26; Chair., Ind. Arts Dept., Shaker Heights, Ohio, 1926-36; Dir., Voc. Tchr. and Foreman Improvement, N.E. Ohio, 1936-40; Personnel Man., Crosley Corp., Cincinnati, Ohio, 1940-41; Voc. Tchr. Trainer, Cleveland Pub. Schls., 1941-42; State Dir., Voc. Training for War Production Workers, Ohio, 1942-45; State Dir., Veterans Training and Edn. Service, Ohio, 1945-50; State Dir., Voc. Edn., Ohio, 1945-50; Prof. of Ind. Edn., The Ohio State Univ., Columbus, 1950-52. Mem.: A.I.A.A.; A.V.A.; Natl. Assn. of State Dirs. of Voc. Edn., Exec. Dir.; Ohio Assn. for Adult Edn., V. Pres.; Ohio Voc. Assn., Past Pres.; Ohio Edn. Assn.; Iota Lambda Sigma, Past Pres., Grand Chap.; Kappa Delta Pi; Epsilon Pi Tau. Areas of Splty.: Trade and Ind. Edn.; Ind. Arts Edn.; Admin. and Supvn.. Travel: U.S.; Canada. Avoc. Ints.: Gardening; Fishing; Reading; Home Crafts.

STRONG, E. H. (l.i.), B.S., Instr., Ind. Arts Div., N.Y. State Coll. for Tchrs., Buffalo, N.Y..

STUBBLEFIELD, C. (l.i.), B.S., Instr., Ind. Edn., Md. State Coll., Princess Anne, Md..

STUCKI, Ralph E., (l.p.) Instr., La. State Univ., Baton Rouge, La.. b.: June 14, 1911, Mora, Minn.. Married, one child. Edn.: B.S., State Tchrs. Coll., Winona, Minn., 1940; M.S., La. State Univ., Baton Rouge, La., 1948. Exp.: Work Exp., 1931-35, 1940-41; Tchr., Elem. Schl., 1935-36, 1937-39; Tchr., Ind. Arts, H. Schl., 1941-42, 1943-47; Instr., Ind. Edn., Coll., 1947---; U.S.N., 1942-43. Publs.: Contbd. to the following mags.: "I.A.V.E."; "Schl. Shop"; "Amer. Voc. Jour.". Mem.: N.E.A., Life Mem.; A.C.I.A.T.E.; A.V.A.; N.A.I.T.T.; Natl. Soc. for the Study of Edn.; La. Voc. Assn., Mem. of Exec. Council; Kappa Delta Pi; Epsilon Pi Tau, Trustee. Areas of Splty.: Metalwork; Tests and Measurements. Travel: U.S.. Avoc. Ints.: Reading; Gardening; Mechanical Work.

STUCKY, Menno, Instr., Bethel Coll., N. Newton, Kan.. b.: McPherson, Kan.. Edn.: B.S., McPherson Coll., McPherson, Kan., 1948.

Exp.: Tchr., Pub. Schls., 2 yrs.; Instr., Gen. Shop, Bethel Coll., N. Newton, Kan., 1951—. Mem.: A.C.I.A.T.E..

SUGGS, James R., Assoc. Prof., Panhandle A. & M. Coll., Goodwell, Okla.. b.: Dec. 2, 1921, Collierville, Tenn.. Married, one child. Edn.: B.S., Okla. A. & M. Coll., Stillwater, Okla., 1949; M.S., ibid, 1950. Mem.: A.I.A.A.; Okla. Ind. Arts Assn.; Iota Lambda Sigma. Areas of Splty.: Woodwork; Drawing. Avoc. Ints.: Photography.

SULLIVAN, J. A. (l.i.), Instr., Ind. Edn., Md. State Coll., Princess Anne, Maryland.

SUTHERLAND, Hector H., Instr., W. Va. Inst. of Tech., Montgomery, W. Va.. b.: Aug. 10, 1916, Canada. Married, one child. Edn.: A.B., Dartmouth Coll., 1940; M.A., N. Y. Univ., 1951. Exp.: Instr. in Graphic Arts, 1940-42, 1946-48; U.S. Army, 1942-46; Instr. in Printing and Publishing, 1948—. Mem.: International Graphic Arts Edn. Assn.; International Assn. of Printing House Craftsmen; Pi Alpha Psi; Epsilon Pi Tau. Areas of Splty.: Graphic Arts; Printing and Publishing. Travel: Canada; U.S.; Mexico. Avoc. Ints.: Summer Camps.

SUTTER, W. J. (l.i.), B.S., Asst. Prof., Ind. Arts, Montana State Coll., Bozeman, Montana.

SVEC, H. (l.i.), Instr., Ind. Arts, S.D. State Coll., Brookings, South Dakota.

SVENDSEN, Ethan A. T., Instr., Indiana State Tchrs. Coll., Terre Haute, Indiana. b.: Nov. 23, 1914, Blair, Neb.. Married, two children. Edn.: B.A., Dana Coll., Blair, Neb., 1941; M.A., Univ. of Minn., 1947. Exp.: Tchr., Pub. Schls., 1933-42; Civ. Instr., Radio Schl., 1942-44; Enlisted Instr., U.S.N. Radio Schl., 1944-46; Instr., Indiana State Tchrs. Coll., Terre Haute, 1947—. Publs.: Various mag. articles. Mem.: A.V.A.; N.A.I.T.T.; Indiana Ind. Edn. Assn.; Indiana Voc. Assn.; Assn. for Stud. Teaching; Indiana Edn. Assn.; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Woodwork; Gen. Metals; Electricity and Radio; Supvn. of Stud. Tchrs.. Avoc. Ints.: Home Maintenance; Radio.

SWANSON, Robert S., Instr., The Stout Inst., Menomonie, Wis.. b.: Oct. 3, 1924, Superior, Wis.. Married, one child. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1949; M.S., ibid, 1950. Exp.: U.S. Army, 1943-46; Instr., The Stout Inst., Menomonie, Wis., 1949—. Mem.: A.V.A.; N.E.A.; A.A.U.P.; Wis. Edn. Assn.. Areas of Splty.: Woodwork; Drafting; Gen. Comprehensive Shop. Travel: France; Germany; Austria; England. Avoc. Ints.: Photo.; Woodwork; Home Design; Swimming; Skating; Boy Scouts.

SWEET, Stanley E., Instr., Fla. State Univ., Tallahassee, Fla.. b.: June 21, 1910, Detroit, Mich.. Married, three children. Edn.: B.S., Wayne Univ., Detroit, Mich., 1947; M.Ed., ibid, 1950. Exp.: Ind. Exp., 10 yrs.; Instr., Ind. Arts, H. Schl., Mich., 1945-48; Instr., Ind. Arts, Univ. of Okla. and Fla. State Univ., 1948---. Mem.: Mu Sigma Pi; Phi Delta Kappa; A.I.A.A.; A.V.A.; N.A.I.T.T.. Areas of Splty.: Mach. Shop; Woodwork. Travel: U.S.; Mexico; Canada. Avoc. Ints.: Fishing; Hunting; Golf.

SWOPE, Ammon, Prof. of Trade and Ind. Edn., Purdue Univ., W. Lafayette, Indiana. b.: Sept. 2, 1886, Dayton, Ohio. Married, two children. Edn.: A.B., Mt. Morris Coll., 1912; M.A., Univ. of Chicago, 1914; Other Grad. Study. Exp.: Pub. Schl. Tchr., Ohio and Mont., 1906-08, 1914-16; Prof. of Ind. Edn., McPherson Coll., 1916-22; Prof. of T. & I. Edn., Purdue Univ., 1922---; Bldg. Trades, 5 yrs.. Publs.: Individual Instruction Sheets for the Prevocational General Shop, co-author, 1933; Instruction Sheets in Oxy-acetylene Welding, co-author, 1933; Contbd. to the following mags.: "Ind. Edn.", "I.A.V.E.", "Automotive Industries", "Jour. of the Soc. of Automotive Engrs.", "The Spotlight", "Health and Safety Edn.", "A.V.A. Jour." and Others. Mem.: A.V.A.; A.A.U.P.; Soc. for the Promotion of Engrn. Edn.; Manual Arts Conf.; Amer. Assn. for the Advancement of Science; Amer. Psychological Assn.; Indiana Voc. Assn., past pres.; Sigma Xi; Kappa Delta Pi; Psi Chi; Iota Lambda Sigma; Phi Delta Kappa; Riding Qualities Research Com. of Soc. of Auto. Engrs.; Psychology of Highway Com. of Natl. Research Council. Area of Splty.: Voc. Tchr. Training. Travel: U.S.; Canada; Nova Scotia. Avoc. Ints.: Decorating; Wood Carving; Gardening; Lectures.

SYVERSON, Ryland E., Instr., State Norm. and Ind. Coll., Ellendale, N.D.. b.: June 13, 1916, Wyndmere, N.D.. Married, two children. Edn.: B.S., State Norm. and Ind. Coll., Ellendale, N.D., 1951. Exp.: Welder, Auto-Tractor Repair, 1934-38, 1946-48; Apiary Work, 1939-40; U.S. Army, 1941-45; Welding Instr., State Norm. and Ind. Coll., Ellendale, N.D., 1950---. Area of Splty.: Welding. Travel: England; France; Belgium; Germany. Avoc. Ints.: Gunsmithing; Gun Collecting; Shooting; Photo.; Singing.

TATE, John Bruce, Instr., Ind. Arts Edn., Okla. A. & M. Coll., Stillwater, Okla.. b.: Mar. 15, 1923, Tulsa, Okla.. Edn.: B.S., Okla. A. & M. Coll., 1945; M.S., ibid, 1949. Exp.: Instr., Ind. Arts, Broken Arrow H. Schl., Broken Arrow, Okla., 1945-47; Instr., Ind. Arts Edn., Okla. A. & M. Coll., 1947---. Mem.: Okla. Ind. Arts Assn.; A.I.A.A.. Areas of Splty.: Elem. Woodwork; Finishing; Plastics. Avoc. Ints.: Wood

Carving; Plastic Work; Wood Turning; Painting.

TAYLOR, Cyrus B., Acting Head, Dept. of Mech. Arts, Lincoln Univ., Jefferson City, Mo.. b.: July 30, 1906, Indianapolis, Indiana. Married, one child. Edn.: B.S., Hampton Inst., 1930; M.S., Ia. State Coll., 1940; Other Grad. Work. Exp.: Tchr., H. Schl., 1930-38; Lincoln Univ., 1938---. Mem.: Mo. Ind. Edn. Assn.; Phi Delta Kappa. Areas of Splty.: Gen. Wood; Cabinetmaking; Carpentry. Travel: U.S.; Canada. Avoc. Ints.: Boy Scouts; P.T.A.; Civic Organizations.

TAYLOR, H. W. (l.i.), B.S., Asst. Prof., Dept. of Ind. Edn., Tenn. A. and I. State Coll., Nashville, Tennessee.

TAYLOR, Louie S., Asst. Prof., Univ. of Calif., Santa Barbara Coll., Santa Barbara, Calif.. b.: Oct. 11, 1902, Ill.. Married, two children. Edn.: B.A., Santa Barbara Coll., 1934; M.A., Claremont Coll., 1939; Ed.D., Ore. State Coll., 1951. Exp.: Metal Trades, 1920-29; Teaching, 1930---. Publs.: Successful Soldering. 1943; Various magazine articles. Mem.: Kappa Delta Pi; Phi Delta Kappa; A.I.A.A.; A.V.A.; Calif. Ind. Edn. Assn.. Area of Splty.: Metalwork. Avoc. Ints.: Sports; Travel; Photo.; Chess.

THOENDEL, Frank A., Asst. Prof. of Ind. Arts, Neb. State Tchrs. Coll., Chadron, Neb.. b.: Aug. 27, 1908, Ewing, Neb.. Married, four children. Edn.: B.A., Neb. State Tchrs. Coll., Wayne, 1942; M.A., Colo. State Coll. of Edn., Greeley, 1948. Exp.: Rural Tchr.; City Tchr.; City Elem. Prin.; City H. Schl. Prin.; Supt. of Schls.; H. Schl. Shop Instr.; Neb. State Tchrs. Coll., Chadron, 1948---. Publs.: Contbd. to the following mags.: "Better Homes and Gardens"; "I.A.V.E.". Mem.: Neb. State Tchrs. Edn. Assn.; Neb. State Ind. Arts Assn., Trustee, Dist. IV. Areas of Splty.: Plastics; Crafts; Lapidary and Jewelry Work. Avoc. Ints.: Hunting; Fishing; Travel.

THOMAS, Alvin I., Assoc. Prof., Prairie View Agri. and Mech. Coll., Prairie View, Texas. b.: Sept. 7, 1925, New Orleans, La.. Edn.: B.S., Kan. State Tchrs. Coll., 1948; M.S., ibid, 1949. Exp.: Tchr., Ind. Arts, H. Schl., 1940; Carpentry Trade, 1939-46; Ind. Arts Tchr. Edn., 1949---. Mem.: A.I.A.A.; A.V.A.; N.A.I.T.T.; Kappa Mu Epsilon; Epsilon Pi Tau. Areas of Splty.: Ind. Edn.; Woodwork. Travel: U.S.; France; Germany; Holland; Luxembourg; Korea; Panama; Philippine Islands. Avoc. Ints.: Photo.; Chemistry; Art Metalwork.

THOMAS, E. H., Instr., Southwest Mo. State Coll., Springfield, Mo.. b.: July 15, 1889, Calif., Mo.. Married, three children. Edn.: B.S., Southwest Mo. State Coll., Springfield, Mo., 1921; M.S., Ia. State Coll., 1922. Exp.: Instr., Southwest Mo. State Coll., 1922---.

THOMAS, M. S. (l.i.), M.Ed., Assoc. Prof. and Dir., Dept. of Ind. Edn., Fla. A. and M. Coll., Tallahassee, Florida.

THOMAS, O. (l.i.), M.A., Asst. Prof., Ind. Arts Dept., Miss. Southern Coll., Hattiesburg, Mississippi.

THOMPSON, Kenneth T., Instr., N. W. Mo. State Coll., Maryville, Mo.. b.: Oct. 14, 1909, Quitman, Mo.. Married, one child. Edn.: B.S., N.W. Mo. State Coll., 1939; M.Ed., Colo. A. & M. Coll., 1950. Exp.: Tchr., Pub. Schls., 1931-42; Instr., N. W. Mo. State Coll., Maryville, 1942---. Mem.: N.E.A.; A.V.A.; Mo. Voc. Assn.; Mo. State Tchrs. Assn.; Mo. Ind. Arts Assn.. Areas of Splty.: Woodwork; Mach. Shop; Drafting. Avoc. Ints.: Hunting; Fishing; Crafts.

THOMPSON, Robert L., Assoc. Prof. of Edn., N.Y. Univ., Wash. Square, N.Y.C.. b.: Sept. 7, 1908, Bowling Green, Ohio. Married, one child. Edn.: B.S., Bowling Green State Univ., 1931; M.A., N.Y. Univ., 1941; Ed.D., N.Y. Univ., 1947. Exp.: Whitmer H.S., Toledo, Ohio, 1931-34; Akron H.S., Akron, N.Y., 1934-38; Dept. of Voc. Edn., N.Y. Univ., 1938---. Publs.: Leathercraft; Home Mechanics Handbook, 1946, co-author; Home Crafts Handbook, 1948, co-author. Mem.: A.I.A.A.; A.V.A.; A.C.I.A.T.E.; N.Y.S.V.P.A.A.; N.Y.S. Steering Com., Chair., Eval. Com.; A.A.U.P.. Areas of Splty.: Ind. Arts Tchr. Edn.; Comp. Gen. Shop, Grad. Works in Ind. Arts Edn..

THOMPSON, Waino E., Asst. Prof. of Wood and Metal, Bradley Univ., Peoria, Ill.. b.: Jan. 2, 1908, Ely, Minn.. Married, one child. Edn.: B.S., Bradley Poly. Inst., 1934; M.S., Univ. of Ill., 1942. Exp.: Fisher Body Corp., 1928-29; Tool Grinder and Machinist, Caterpillar Tractor Co., 1934-36; Tchr., Mach. Shop, H. Schl., 1936-40; Bradley Univ., 1940-44, 1945---. U.S.N.R., 1944-45. Mem.: A.V.A.; Ill. Voc. Assn.. Avoc. Ints.: Fishing; Hunting; Swimming (Bradley Univ. Swimming Coach).

THOMPSON, Wendell L., Instr., Hampton Inst., Hampton, Va.. b.: May 10, 1897, Greenville, S.C.. Married, one child. Edn.: Diploma, Hampton Inst., Hampton, Va., 1918. Exp.: Instr., Mach. Shop, Hampton Inst., Hampton, Va., 1918---. Mem.: A.V.A.. Area of Splty.: Mach. Shop.

THURMAN, Henry L., Assoc. Prof., Southern Univ. and A. & M. Coll., Baton Rouge, La.. b.: Jan. 14, 1927, Lawrenceville, Va.. Edn.: B.S., Hampton Inst., 1947; M.S., Univ. of Ill., 1949. Exp.: Drafting Instr., St. Paul Poly. Inst., 1947; Arch. and Elem. Engrn. Instr., Southern Univ. and A. & M. Coll., 1948---. Areas of Splty.: Structural Design; Arch. Design.

TIMMONS, G. G. (l.i.), Instr., Dept. of Shop Practice, Kan. State Coll., Manhattan, Kansas.

TINETTI, George K., Instr., Ohio Univ., Athens, Ohio. b.: July 20, 1923, Wausau, Wis.. Married, two children. Edn.: B.S., The Stout Inst., 1948; M.S., ibid, 1950. Exp.: Cheyenne, Wyo. Pub. Schls., 1948; The Stout Inst., 1949-50; Ohio Univ., 1950—. Mem.: A.C.I.A.T.E.. Areas of Splty.: Welding; Foundry Practice; Mach. Shop; Sheet Metal. Avoc. Ints.: Furniture Repair; Outdoor Sports.

TINKHAM, Robert A., Instr., Univ. of Minn., Minneapolis, Minn.. b.: June 12, 1917, Minneapolis, Minn.. Married, two children. Edn.: B.Ed., Mankato Tchrs. Coll., 1939; M.A., Univ. of Minn., 1949. Exp.: Tchr., Ind. Arts, Pub. Schls., 1939-41; Processing Inspector, Minneapolis Moline Co., 1941-44; U.S.N., 1944-46; Training Officer, Veterans Admin., 1946-48; Asst. and Instr., Univ. of Minn., 1948—. Mem.: Phi Delta Kappa. Areas of Splty.: Instructional Aids; Design. Travel: Hawaii; Okinawa; Japan. Avoc. Ints.: Modern Design; Home Workshop; Commercial Art.

TINSLEY, N. L. (l.i.), M.S., Hd., Div. of Engr. and Ind. Arts, Cameron State Agricultural Coll., Lawton, Oklahoma.

TISCHENDORF, E. W., Prof. and Head of Ind. Arts, Kent State Univ., Kent, Ohio. b.: Jan. 30, 1897, Lincoln City, Indiana. Married, two children. Edn.: B.S., Kent State Univ., Kent, Ohio, 1924; M.A., Ohio State Univ., Columbus, 1931; Other Grad. Study. Exp.: Tchr., Elem. Schl., 1917-18; Tchr., Ind. Arts, Pvt. Schl., 1920-22; Tchr., H. Schl. Ind. Arts, 1924-31; Instr., Ind. Arts, Coll., 1932—; Metal Industries, 1 yr.. Publs.: Mag. articles of profnl. and technical nature. Mem.: Ohio Edn. Assn.; N.A.I.T.T.; A.I.A.A.; A.C.I.A.T.E.; Northeastern Ohio Ind. Arts Assn.; Epsilon Pi Tau; Mu Sigma Pi. Areas of Splty.: Woodwork; Tests and Measurement; Methods. Travel: U.S.; Canada. Avoc. Ints.: Golf; Travel.

TORGERSON, R. M., Prof., Chair., Dept. of Ind. Edn., Bowling Green State Univ., Bowling Green, Ohio. b.: Feb. 28, 1899, Minn.. Married. Edn.: B.S., Univ. of Minn., 1925; M.A., ibid, 1931; Work. on Ph.D.. Exp.: Winona State Tchrs. Coll., Winona, Minn., 1926-36; State Tchrs. Coll., St. Cloud, Minn., 1936-42; Spec., Gyro Instruments, N.A.T.C., Chicago, Ill., 1942-43; Dir. of Training, Gyro Instruments, Minn. Honeywell Reg. Co., 1943-45; Splt. in Electronics and Superchargers, Bowing Aircraft Co., 1945-46; Chair., Dept. of Ind. Arts, Bowling Green State Univ., 1947—. Publs.: Project Book for M.W.I.A.A.; Mag. Articles. Mem.: N.E.A.; A.V.A.; A.I.A.A.; A.C.I.A.T.E.; Phi Delta Kappa; Epsi-

lon Pi Tau; Ind. Training Dir. Assn.; Rotary. Area of Splty.: Ind. Arts and Ind. Voc. Edn.. Travel: U.S.; Canada. Avoc. Ints.: Photo.; Travel.

TOWNSEND, James G., (l.p.) Instr., State Univ. of N.Y., Tchr. Coll., Oswego, N.Y.. b.: Feb. 8, 1919, Frostburg, Md.. Married, one child. Edn.: B.S., Univ. of Md., 1943; M.A., Columbia Univ., 1946; Supv. of Ind. Arts Certif., ibid, 1948. Exp.: Subst. Tchr., Public Schls., Md., 1942-43; U.S. Navy, 1943-46; Shop Tchr., Portola Jr. Sr. H. Schl., Portola, Calif., 1946-47; Shop Tchr., Garden City, L.I., N.Y., 1947-48; Tchr. of Cabinetmaking, Terrace Schl. for Craftsmen, New Castle, Penn., 1948-49; Pattern Maker, Natl. Radiator Co., New Castle, Penn., 1949-50. Mem.: N.Y.S.V.P.A.A.; N.Y.S. Tchrs. Assn.. Area of Splty.: Ind. Arts. Travel: United States; Japan; China; Pacific Area. Avoc. Ints.: Sports; Crafts; Cabinetmaking.

TRANBARGER, J. C., Assoc. Prof., Indiana State Tchrs. Coll., Terre Haute, Indiana. b.: June 21, 1887, Forest, Indiana. Married, one child. Edn.: B.S., Marion Coll., 1912; B.S., Indiana State Tchrs. Coll., Terre Haute, 1928; M.S., ibid, 1932. Exp.: Tchr., Prin., and Supt., Pub. Schls., 1905-25; Asst. Prof. and Assoc. Prof., Ind. Arts, Indiana State Tchrs. Coll., Terre Haute, 1925---. Publs.: Elements of Type Composition; Practice in the Fundamentals of Printing; Some mag. articles. Mem.: International Graphic Arts Edn. Assn.; Kappa Delta Pi; Epsilon Pi Tau; Iota Lambda Sigma; Alpha Phi Gamma. Areas of Splty.: English; Social Studies. Travel: Ireland; England; U.S.. Avoc. Ints.: Gardening; Home Repair; Dog Breeding.

TREPUS, Willard Franklin, Asst. Prof., Seattle Pacific Coll., Seattle, Wash.. b.: Sept. 21, 1909, Priest River, Idaho. Married, three children. Edn.: B.S., Seattle Pacific Coll., Seattle, Wash., 1937; Grad. Work. Exp.: Instr., Ind. Arts, Harper Grade Schl., Harper, Wash., 1939-41; Instr., Ind. Arts, Bremerton H. Schl., Bremerton, Wash., 1941-45; Seattle Pacific Coll., Seattle, Wash., 1946---. Mem.: Local and State Ind. Arts Assn.; A.C.I.A.T.E.. Areas of Splty.: Woodworking; Gen. Crafts. Travel: Canada; Pacific Northwest. Avoc. Ints.: Mt. Climbing; Photo.; Fishing.

TRUITT, D. J. (l.i.), B.S., Instr., Ind. Arts Dept., Pacific Union Coll., Angwin, California.

TRUMBOWER, Elizabeth A., Instr., N.Y. Univ., Wash. Square, N.Y.C.. b.: Jan. 11, 1917, N.Y.C.. Edn.: Certificate, Pratt Inst., 1938; B.S., N.Y. Univ., 1950. Exp.: Designer for Ind., Belle Kogan, N.Y.C., 1938-40; Art Div., Norcross Publishers, N.Y.C., 1940-42; Buyer of elec. and mech. commercials, Arma Corp., Bklyn, N.Y., 1942-45; Div. of Arts

and Crafts, Camp Robin Hood, Bklyn., N.Y., 1946; Designer, Richard Winslow, 1946-47; Instr. in Edn., N.Y. Univ., 1947---. Mem.: Amer. Designers Inst.; Pen and Brush Club; Natl. Comm. on Arts and Crafts, Boys Clubs of Amer., Advisor; N.Y.S.V.P.A.A.. Areas of Splty.: Ind. Design, Arts and Crafts. Travel: United States; Canada; Mexico. Avoc. Ints.: Dir. and Chair. of the Board of Directors, Camp Jefferson, Inc.; Advisement Services; Lectures; Demonstrations.

TUCKER, Wilburn, Asst. Prof., Tenn. Polytechnic Inst., Cookeville, Tenn.. b.: Aug. 11, 1921, Fosterville, Tenn.. Married, one child. Edn.: B.S., Tenn. Poly. Inst., Cookeville, 1943; M.S., Univ. of Tenn., 1947. Exp.: Officer, U.S.N., 1943-46; Coach, Coll., 1946---; Instr., Ind. Arts and Agri. Engrn., 1947---. Mem.: Tenn. Edn. Assn.. Areas of Splty.: Football and Baseball Coaching; Woodwork; Agri. Engrn.. Travel: Italy; N. Africa; France; Hawaii; Mariannas.

TURNER, B. A. (l.i.), Ed.D., Dir., Ind. Edn., Texas State University for Negroes, Houston, Texas.

TYGER, Waders J., Sr. Instr., Hampton Inst., Hampton, Va.. b.: July 16, 1907, Carlisle, S.C.. Married. Edn.: B.S., Hampton Inst., Hampton, Va., 1936; M.A., ibid, 1947. Exp.: Tchr., Gen. Shop, Salisbury, S.C., 1931-32; Tchr., Auto Mechs., Hampton Inst., Hampton, Va., 1933---; Instr., Auto Mechs., C.C.C., Hampton Inst., 1938-41; Instr., Auto Mechs., Natl. Defense Training Prog., Hampton Inst., 1941-44. Mem.: A.V.A.. Area of Splty.: Auto Mechanics. Avoc. Ints.: Photo.; Electronics; Gardening.

URSIN, Otto E., Co-Chair., Ind. Edn. Dept., Moorhead State Tchrs. Coll., Moorhead, Minn.. b.: April 18, 1919, Rainy River, Ontario, Canada. Married. Edn.: B.S., Bemidji State Tchrs. Coll., Bemidji, Minn., 1941; M.A., Univ. of Minn., Minneapolis, Minn., 1948. Exp.: Tchr., H. Schl., Pequot Lakes, Minn., 1941-43; U.S.A.A.F., 1943-46; Moorhead State Tchrs. Coll., 1946---. Mem.: N.A.I.T.T.; A.V.A.; Minn. Voc. Assn.; Minn. Edn. Assn.; Phi Delta Kappa. Areas of Splty.: Woodwork; Theory. Avoc. Ints.: Taking 8mm Movies; Golf.

VALK, Donald N., Chair., Dept. of Ind. Edn., N.W. Mo. State Coll., Maryville, Mo.. b.: Feb. 24, 1903, Muskegon, Mich.. Married, one child. Edn.: B.S., Western Mich. Coll. of Edn., 1930; M.S., Univ. of Mich., 1932. Exp.: Tchr., Hackney Manual Training Schl., Muskegon, Mich., 1926-29; Chair., Dept. of Ind. Edn., N.W. Mo. State Coll., 1932---. Mem.: N.E.A.; A.V.A.; A.I.A.A.; N.A.I.T.T.; Mo. Voc. Assn.; Phi Delta Kappa. Areas of Splty.: Drafting; Mach. Shop.

VAN ARSDALE, Gordon D., Assoc. Prof. of Ind. Arts, San Jose State

Coll., San Jose, Calif.. b.: Sept. 30, 1918, Calif.. Married, three children. Edn.: B.A., San Jose State Coll., Calif., 1941; M.S., Ore. State Coll., Corvallis, 1947; Other Grad. Study. Exp.: Westwood H. Schl., Calif., 1941; U.S.N.R., 1942-46; San Jose State Coll., San Jose, Calif., 1946—. Mem.: A.V.A.; Calif. Ind. Edn. Assn.; Epsilon Pi Tau. Areas of Splty.: Metal Craft; Mach. Shop; Auto Shop. Travel: Pacific Area. Avoc. Ints.: Enameling; Silversmithing; Fishing; Hunting.

VANDEBERG, Loyd W., Asst. Prof. of Ind. Arts, Eastern Wash. Coll. of Edn., Cheney, Wash.. b.: July 23, 1918, Neillsville, Wis.. Married. Edn.: B.S., The Stout Inst., 1945; M.S., ibid, 1947. Exp.: Welding Instr., N.A.T.T.C., 1942-43; U.S.A.A.F., 1944-45; Tchr., Ind. Arts, H. Schl., 1946; Asst. Prof. of Ind. Arts, Eastern Wash. Coll. of Edn., 1947—. Mem.: N.A.I.T.T.; Inland Empire Tchrs. Edn. Assn., Ind. Arts Sect., Sectry.; Epsilon Pi Tau; Wash. Ind. Arts Assn.; Alpha Psi Omega. Areas of Splty.: Metal; Wood; Plastics. Travel: U.S.; Canada; Alaska. Avoc. Ints.: Photo.; Art Metal; Plastics.

VAN HORN, Paul J., Assoc. Prof., Southwestern La. Inst., Lafayette, La.. b.: Dec. 15, 1905, McPherson County, Kan.. Married, one child. Edn.: B.S., Kan. State Tchrs. Coll., Pittsburg; M.S., Colo. A. & M. Coll., Fort Collins. Exp.: Tchr., Ind. Arts, H. Schl., Kan., 1930-34; Tchr., Auto Mechs., Okla., 1934-46; Instr., Southwestern La. Inst., Lafayette, 1946—; Supv. of Defense Training, Okla. Dept. of Voc. Edn., 1941-43. Mem.: N.A.I.T.T.; A.V.A.; N.E.A.; La. Voc. Assn.; La. Edn. Assn.. Areas of Splty.: Ind. Arts and Ind. Edn. Tchr. Training; Auto Mechs.; Mach. Shop. Avoc. Ints.: Scouting; Gardening; Sports.

VAN TASSEL, Raymond, Assoc. Prof. of Edn., N.Y. Univ., Wash. Square, N.Y.C.. b.: Sept. 26, 1906, N.Y.C.. Married, two children. Edn.: Diploma, Oswego Norm. Schl., 1929; B.S., N.Y. Univ., 1935; M.A., N.Y. Univ., 1940; Ed.D., N.Y. Univ., 1948. Exp.: Tchr. of Ind. Arts and Prin., Jr. H. Schl., Suffern, N.Y., 1929-37; Instr., Dept. of Voc. Edn., N.Y. Univ., 1937-48; Asst. Prof., ibid, 1948—. Publs.: Home Mechanics Handbook, co-author; Home Crafts Handbook, co-author; Woodworking Craft, author. Mem.: N.Y.S. Voc. and Prac. Arts Assoc.. Areas of Splty.: Ind. Arts; Voc. Edn.; Supvn. of Student Tchrs.. Avoc. Ints.: Baseball; Golf; Swimming; Bowling; Crafts; Gardening.

VELLINGER, A. J., Instr., Purdue Univ., W. Lafayette, Indiana. b.: Feb. 4, 1895, Lafayette, Indiana. Married, two children. Edn.: Engrn., Purdue Univ.. Exp.: Mach. Shop., 1918; Big Four R.R., 1914-15; Schutz Hawley, 1917. Mem.: Iota Lambda Sigma; Natl. Aeronautical Assn.. Area of Splty.: Mach. Shop. Avoc. Ints.: Railway; Aircraft; Electronics.

VENTURA, A. B. (l.i.), B.S.E., Foreman, Ind. Arts Div., Tchrs. Coll. of the City of Boston, Boston, Massachusetts.

VERNON, Ralph J., Instr., Agri. and Mech. Coll. of Tex., Coll. Station, Tex.. b.: April 6, 1920, Greensville, S.C.. Married. Edn.: B.S. in Ind. Edn., Clemson Coll., 1950; M.Ed., A. & M. Coll. of Tex., Coll. Station, 1951. Exp.: Cabinet Maker, 1937-47; Trade and Ind. Tchr., 1951; Instr., A. & M. Coll. of Tex., 1951—. Mem.: A.V.A.; N.A.I.T.T.; Iota Lambda Sigma. Areas of Splty.: Woodwork; Ind. Safety; Ind. Supvn.. Travel: Scotland; Japan; Azores; Canada. Avoc. Ints.: Fine Furniture; Golf; Travel; Photography.

VIHEL, F. (l.i.), Instr., Dept. of Ind. Arts and Tech., Ariz. State Coll., Tempe, Arizona.

VINYARD, Alvin, Instr., Northeastern State Coll., Tahlequah, Okla.. b.: Aug. 4, 1921, Jones, Okla.. Married, one child. Edn.: B.S., Northeastern State Coll., 1950. Exp.: Carpenter and Int. Decorator, 1945-48; Instr., Carpentry and Woodwork, 1948—. Mem.: Okla. Ind. Arts Assn.; Masonic Lodge. Areas of Splty.: Carpentry; Woodwork. Travel: Switzerland; U.S.. Avoc. Ints.: Home Woodwork Shop.

VOORHIES, Edwin S., Asst. Prof. of Ind. Arts, Middle Tenn. State Coll., Murfreesboro, Tenn.. b.: May 18, 1919, Hohenwald, Tenn.. Married, one child. Edn.: B.S. in M.E., Ga. Inst. of Tech., 1942. Exp.: Officer, U.S. Army, 1942-46; Mech. Engr., 1946-49; Instr., Ind. Arts, Middle Tenn. State Coll., Murfreesboro, Tenn., 1949—. Mem.: A.S.M.E.; A.I.A.A.. Areas of Splty.: Mach. Shop; Maintenance. Travel: N. Africa; Corsica; Italy. Avoc. Ints.: Athletics; Aviation.

VOSS, Gordon O., Asst. Prof., Ind. Edn., Univ. of Minn., Duluth Branch, Duluth 5, Minn.. b.: Mar. 29, 1905, Meeker Co., Minn.. Married, four children. Edn.: B.S., Univ. of Minn., 1931; M.A., ibid, 1945. Exp.: Jr.-Sr. H. Schl., Ind. Arts, 1924-1938, 1945-47; Univ., Ind. Edn. Tchr. Trng., 1940-41, 1947-52; State Supv. of T. & I. Edn. and Ind. Arts, Minn. State Dept. of Edn., 1938-40; Trng. Supv., Walter Butler, Shipbuilder, Duluth, Minn., 1945-47. Mem.: Phi Delta Kappa; Minn. Voc. Assn., Dir., 1946-48; Minn. Ind. Arts Assn.; Minn. Edn. Assn., Pres., Ind. Arts Sect., 1940-42, 1947-48; Minn. State Appr. Council, 1939-40; A.V.A.; N.A.I.T.E.; Natl. Assn. Power Engr.; A.A.U.P.. Area of Splty.: Conference Leading; Teacher Trng.; Metalwork. Travel: Eighteen states of United States and Canada.

WAAGEN, B. S. (l.i.), M.A., Instr., Ind. Arts Div., N.Y. State Coll. for Tchrs., Buffalo, N.Y..

WADDY, L. W. (l.i.), M.S., Instr., Ind. Arts Edn., Agricultural, Mechan-

ical, and Normal Coll., Pine Bluff, Arkansas.

WAGNER, W. H., Asst. Prof., Ia. State Tchrs. Coll., Cedar Falls, Ia.. b.: Sept. 19, 1913, Adrian, Mo.. Married, two children. Edn.: B.S., Cent. Mo. State Coll., 1937; M.Ed., Univ. of Mo., Columbia Mo., 1942. Exp.: Liberty H. Schl., Liberty, Mo., 1937-40; Kan. City Pub. Schls., Kan. City, Mo., 1940-43; Ia. State Tchrs. Coll., 1945---. Publs.: Ia. Ind. Arts Handbook, Writer and Chair. of Com.. Mem.: A.I.A.A., Sec. V. Pres. for Tchr. Edn.; A.C.I.A.T.E.; Epsilon Pi Tau; Phi Delta Kappa; I.I.A.A.. Areas of Splty.: Drawing; Woodwork; Shop Equip.. Avoc. Ints.: Home Planning and Const..

WAGONER, R. Graham, Asst. Prof., Ind. Arts, Southeast Mo. State Coll., Cape Girardeau, Mo.. b.: July 12, 1918, Odessa, Mo.. Married, one child. Edn.: B.S., Central Mo. State Coll., 1944; M.A., Colo. State Coll. of Edn., 1949. Exp.: Rural Schl., 1939-42; Tchr., Ind. Arts, H. Schl., 1942-49; Instr., Ind. Arts, Coll., 1949---. Mem.: A.A.U.P.; A.V.A.; A.I.A.A.; Mo. State Tchrs. Assn.; Mo. Ind. Arts Assn..

WAHTERA, Kauko A., Acting Head, Ind. Arts Dept., Northern Mich. Coll. of Edn., Marquette, Mich.. b.: July 10, 1914, Marquette, Mich.. Married, two children. Edn.: B.S., N. Mich. Coll. of Edn., Marquette, Mich., 1936; M.S., Iowa State Coll., Ames, Iowa, 1941, Other Grad. Studies. Exp.: Instr., Ind. Arts and Coach, Newaygo H. Schl., Newaygo, Mich., 1936-38; Dept. Head, Ind. Arts, St. Clair H. Schl., St. Clair, Mich., 1938-40; Dept. Head, Ind. Arts and Counselor, Lakeview H. Schl., Battle Creek, Mich., 1940-47; Asst. Prof., Acting Head, Ind. Arts Dept., Northern Mich. Coll. of Edn., Marquette, Mich.. Publs.: Articles in Mich. Dept. of Edn. Bull.. Mem.: Mich. Edn. Assn.; Mich. Ind. Edn. Assn.; Mich. Com. for Voc. Tchr. Edn.; A.I.A.A.; A.C.I.A.T.E.; Faculty Training Com.; Faculty Council, Treas.; Phi Epsilon; Kappa Delta Pi. Areas of Splty.: Metals; Driver Edn.. Avoc. Ints.: Hunting; Gunsmithing; Fishing; Photo.; Sports.

WAKEMAN, G. H. (l.i.), Instr., Ind. Arts, S.D. State Coll., Brookings, South Dakota.

WALCKER, J. J. (l.i.), B.S., Instr., Ind. Arts Dept., Walla Walla Coll., College Place, Washington.

WALKER, J. F. (l.i.), M.Ed., Foreman, Ind. Arts Div., Tchrs. Coll. of the City of Boston, Boston, Massachusetts.

WALKER, R. E. (l.i.), Instr., Ind. Arts Dept., Austin Peay State Coll., Clarksville, Tennessee.

WALKER, Rudolph, Instr., Langston Univ., Langston, Okla.. b.: Aug.

22, 1926, Bklyn, N.Y.. Edn.: B.S., N.Y. Univ., N.Y.C., 1949; M.S., ibid, 1950. Exp.: Varied Work, 1946-50; Instr., Ind. Arts, Langston Univ., Langston, Okla., 1950—. Mem.: N.A.I.T.T.; A.V.A.; A.T.A.. Areas of Splty.: Gen. Shop; Woodwork. Travel: U.S.. Avoc. Ints.: Ind. Arts Edn..

WALL, G. S., Assoc. Prof. of Edn., The Stout Inst., Menomonie, Wis.. b.: Mar. 7, 1904, Chisholm, Minn.. Married. Edn.: Diploma, Minn. State Tchrs. Coll., Winona, 1924; B.S., Univ. of Minn., 1931; M.A., ibid, 1937; Ph.D., ibid, 1951. Exp.: Ind. Arts Tchr., Public Schls., 1924-30; Voc. Trade and Ind. Teaching Supvn., 1930-42; Tchr. Edn., 1942—. Publs.: "Learning by Teaching", I.A.V.E., Sept., 1939; "Dual Purpose Ind. Edn. at the Coll. Level", Ph.D. Dissertation, Univ. of Minn.. Mem.: A.V.A.; Iota Lambda Sigma; Phi Delta Kappa. Area of Splty.: Ind. Tchr. Edn.. Avoc. Ints.: Building.

WALLACE, G. R., Assoc. Prof., Austin Peay State Coll., Clarksville, Tenn.. b.: 1893, Newton, Kan.. Married, three children. Edn.: B.A., Coll. of Emporia, Emporia, Kan., 1914; B.A., Emporia State Coll., Emporia, Kan., 1918; M.S., Kan. State Tchrs. Coll., Pittsburg, Kan., 1937. Exp.: Tchr., Ind. Arts, H. Schl., Yates Center, Kan., 1915-16; Ottawa, Kan., 1917; Emporia, Kan., 1918; U.S.N., 1918-19; Hutchinson, Kan., 1920; Kingsdown, Kan., 1921; Columbus, Kan., 1921-40; Tchr., N.Y.A., Austin Peay State Coll., Clarksville, Tenn., 1941-43; Ind. Arts, ibid, 1943—. Mem.: Middle Tenn. Ind. Arts Assn.. Areas of Splty.: Wood; Electricity; Drafting.

WALLIS, L. D., Assoc. Prof., Chair., Ind. Arts Dept., E. Tenn. State Coll., Johnson City, Tenn.. b.: June 20, 1898, Cadiz, Ky.. Married, two children. Edn.: B.A., Western Ky. State Coll., Bowling Green, Ky., 1927; M.A., Ind. Edn., Geo. Peabody Coll. for Tchrs., Nashville, Tenn., 1929. Exp.: Tchr., Elem., Lyon and Warren Counties, Ky., 1919-21; Stud. Asst., Woodwork and Drawing, West. Ky. State Coll., Bowling Green, Ky., 1924-26; Instr., Woodwork, Knoxville City H. Schl., Knoxville, Tenn., 1927-28; Instr., Woodwork, Drawing; Science; Coach, Campus Training Schl., E. Tenn. State Coll., Johnson City, Tenn., 1929-43; Counselor, Voc. Rehab., E. Tenn., 1943-48; Assoc. Prof., Ind. Arts, E. Tenn. State Coll., Johnson City, Tenn., 1948—. Mem.: A.I.A.A.; E. Tenn. Edn. Assn.; Tenn. Edn. Assn.; Mu Delta Kappa; Iota Lambda Sigma. Areas of Splty.: Woodwork; Drafting; Upholstery; Ind. Arts Edn.. Avoc. Ints.: Sports; Teaching Sunday School; Gardening; Hunting; Fishing.

WALLIS, Ray W., Instr., Ark. Agri. and Mech. Coll., Coll. Heights,

Ark.. b.: Sept. 24, 1906, Cadiz, Ky.. Married, four children. Edn.: B.S., Western Ky. State Tchrs. Coll., 1932; M.Ed., Univ. of Mo., 1948. Exp.: Tchr., Pub. Schls., Ky., Fla., Ga., and Tenn., 1928-29, 1935-42, 1944-46, 1947-50; Designer and Draftsman, 1942-44; Instr., Ark. A. & M. Coll., 1950---. Mem.: A.V.A.; N.E.A.; Ark. Edn. Assn.; Phi Delta Kappa. Areas of Splty.: Drafting; Woodwork; Mach. Shop; Admin.. Avoc. Ints.: Gardening.

WALTERS, Gully, Instr., Northwestern State Coll., Alva, Okla.. b.: 1905, Columbus, Ill.. Married, one child. Edn.: B.S., Northwestern State Coll., Alva, Okla.; M.A., Colo. State Coll. of Edn., Greeley. Exp.: Tchr., Pub. Schls., 1931-42; Northwestern State Coll., 1945---. Mem.: A.A.U.P.; Okla. Edn. Assn.; Okla. Ind. Arts Assn.. Areas of Splty.: Drafting; Woodwork; Upholstery.

WARDWELL, Wayne D., Sr., Instr., The Ohio State Univ., Columbus, Ohio. b.: Aug. 2, 1897, Pine Bluff, N.C.. Married, four children. Edn.: B.A., The Ohio State Univ., Columbus, 1926; Th.B., Lane Seminary, 1930; M.A., The Ohio State Univ., Columbus, 1938; Ph.D., ibid, 1950. Exp.: Prin., Fatehgarh Ind. Schl., Fatehgarh, U. P., India, 1930-34; Supv., Motor Mech. Dept., Saharanpur Ind. Schl., Saharanpur, U.P., India, 1934-41; Supv., Ind. Arts Dept., Woodstock Schl., Mussoorie, U.P., India, 1941-47. Mem.: Epsilon Pi Tau; Phi Delta Kappa. Areas of Splty.: Teaching Ind. Arts; Pub. Speaking; Young People's Work. Travel: England; Europe; India; Hong Kong; Japan; China; Honolulu, T.H.. Avoc. Ints.: Photography.

WARFORD, John H., Instr., Ind. Arts Edn., State Tchrs. Coll., Bemidji, Minn.. b.: Nov. 29, 1921, Bemidji, Minn.. Married, two children. Edn.: B.S., Bemidji State Coll., 1943; M.A., Univ. of Minn., 1949. Exp.: Instr., Ind. Arts, Venice, Ill., 1943-44; Instr., Ind. Arts Edn., Milaca, Minn., 1944-46; Instr. and Supv., Ind. Arts Edn., Bemidji State Tchrs. Coll., 1946---. Mem.: M.V.A.; M.E.A.; Phi Delta Kappa; A.A.U.P.; A.I.A.A.. Areas of Splty.: Supv. of Stud. Tchrs.; Metalwork; Graphic Arts. Avoc. Ints.: Crafts; Home Workshop; Airplane Models; Stamp Collecting.

WARNER, William Everett, Prof. of Edn., Ohio State Univ., Columbus, Ohio. b.: Aug. 22, 1897, Roanoke, Ill.. Married. Edn.: B.S., Univ. of Wis., 1923; M.S., ibid, 1924; Ph.D., Columbia Univ., 1928. Exp.: 5 yrs. of elem. and sec. pub., experimental, and voc. trade schl. teaching as instr., coord., and prin. in the schls. of Wis. and N.Y.; Asst. Prof., Assoc. Prof., and Prof., Ohio State Univ., Columbus, 1925---; 6 yrs., agriculture and industry; Veteran, World War I and II, currently,

Lt. Col.; Consultant, Prin. Civ. Protection Off., U.S. Office of Civil Defense, 1943; Mem., Gen. Eisenhower's staff, London, 1943; Organized and operated the "Passive" Defense prog. in the Amer. Zone of Eastern Belgium, 1944-45; In charge of the German Ministry of Edn. and Religion, State of Baden, 1945; Deputy Dir. in charge of instruction, Wharton Univ., Lancashire, 1946; Currently on leave to serve as Exec. Dir. for the Civil Defense of Ohio. Publs.: Ph.D. Dissertation, Policies in Ind. Arts Edn.; Reconstruction of Ind. Arts Courses, co-author, 1927; Contbd. to the following mags., "I.A.V.E.", "Amer. Schl. Bd. Jour.", and Others. Mem.: A.I.A.A., Founder; A.C.I.A.T.E.; N.E.A.; A.V.A.; Amer. Assn. of Schl. Admins.; N. Cent. Assn. of Colls. and Sec. Schls.; Western Arts Assn., Past Pres.; Reserve Officers Assn. of Ohio, Past Pres.; President's Advisory Com. on Ind. Safety; Epsilon Pi Tau, Founder. Areas of Splty.: Research; Profnl. Courses. Travel: U.S.; Canada; England; Belgium; France; Holland; Germany.

WARREN, R. C. (l.i.), B.S., Instr., Dept. of Shop Practice, Kan. State Coll., Manhattan, Kansas.

WASHINGTON, D. R. (l.i.), Sr. Tech., Dept. of Ind. Edn., Tenn. A. and I. State Coll., Nashville, Tennessee.

WASHINGTON, Harold G., Instr., Prairie View Agri. and Mech. Coll., Prairie View, Texas. b.: Aug. 18, 1914, Beeville, Texas. Married. Edn.: C.C. Hubbard Schl. of Cleaning, Pressing, and Redying, Silver Springs, Md.. Exp.: Cleaning and Pressing, 15 yrs.; Ind. Arts Tchr. Edn., 4 yrs.. Area of Splty.: Cleaning and Pressing. Avoc. Ints.: Sports.

WATSON, M. W., Instr., The A. & M. Coll. of Tex., Coll. Station, Tex.. b.: June 22, 1895, Carrigan, Tex.. Married, four children. Exp.: Industrial Exp., 22 yrs.; Instr., A. & M. Coll. of Tex., 1939—. Area of Splty.: Foundry.

WATSON, W. H. (l.i.), M.S., Instr., Dept. of Ind. Arts, N.M. Highlands Univ., Las Vegas, New Mexico.

WATTERMAN, H. F. (l.i.), Instr., State A. and M. Coll., Orangeburg, South Carolina.

WEARE, Wayne W., Asst. Prof. of Ind. Arts, Western State Coll., Gunnison, Colo.. b.: Mar. 10, 1910, Pittsburg, Kan.. Married, two children. Edn.: B.A., Neb. State Tchrs. Coll., 1936; M.A., Colo. State Coll. of Edn., 1946. Mem.: N.E.A.; A.A.U.P.; Colo. Edn. Assn.; Kappa Delta Pi. Area of Splty.: Woodwork. Travel: Pacific Area. Avoc. Ints.: Gunsmithing; Hunting; Fly Tying; Fishing.

WEAVER, Elmer C., Prof. of Ind. Arts, Western Mich. Coll. of Edn., Kalamazoo, Mich.. b.: Mar. 9, 1896, Ada, Ohio. Married, one child. Edn.: B.S., Tchrs. Coll., Columbia Univ., 1926; M.A., ibid, 1933; Other Grad. Study. Exp.: Ind. Arts Tchr. Edn., Western Mich. Coll. of Edn., Kalamazoo, 1917-39, 1946---; Dir., Voc. Aviation Mech. Dept., Western Mich. Coll. of Edn., 1939-45; Coord., Civ. Pilot Training, 1940-45; Apprentice Machinist, 4 yrs.; Auto Mech., 3 yrs.; Aircraft Mech., U.S. Army, 1918-19. Mem.: Mich. Ind. Edn. Soc., Pres., 1937-38; Kappa Delta Pi; Mu Sigma Pi; Epsilon Pi Tau. Areas of Splty.: Mach. Shop; Metalwork. Travel: U.S.; Canada. Avoc. Ints.: Aircraft Rebuilding and Flying.

WEAVER, James M., Instr., Southeastern State Coll., Durant, Okla.. b.: Nov. 12, 1921, Delaware Co., Okla.. Married, two children. Edn.: B.S., Okla. A. & M. Coll., 1949; M.S., ibid, 1950. Exp.: Instr., Voc. Auto Mechanics, 1949-51. Mem.: Okla. Ind. Arts Assn.; Okla. Edn. Assn.; Iota Lambda Sigma. Areas of Splty.: Auto Mechanics; Woodwork. Avoc. Ints.: Photography.

WEBBER, R. E. (l.i.), B.S., Instr., Dept. of Ind. Edn., Fla. A. and M. Coll., Tallahassee, Florida.

WEBSTER, Sam O., Asst. Prof. of Ind. Arts, Central State Coll., Edmond, Okla.. b.: Apr. 30, 1906, Clearwater, Kan.. Married, two children. Edn.: B.S., Central State Coll., Edmond, Okla., 1935; M.S., Okla. A. & M. Coll., 1947; Other Grad. Study. Exp.: Prin., H. Schl., 1935-37; Tchr., H. Schl., 1937-47; Tchr., Ind. Arts, Coll., 1947---. Mem.: A.I.A.A.; A.C.I.A.T.E.; Okla. Edn. Assn.; Okla. Ind. Arts Assn.; Iota Lambda Sigma; Kappa Delta Pi; Phi Delta Kappa. Areas of Splty.: Radio; Electricity; Metal Work.

WEGNER, Marlowe E., Co-Chair., Ind. Arts Dept., State Tchrs. Coll., Moorhead, Minn.. b.: Oct. 5, 1918, Gardner, N. D.. Married, three children. Edn.: B.S., State Tchrs. Coll., Moorhead, Minn., 1941; M.A., Univ. of Minn., 1948; Other Grad. Study. Exp.: Tchr. of Ind. Arts, Pub. Schls., 1941-42, 1946-47; U.S. Army, 1942-46; State Tchrs. Coll., Moorhead, Minn., 1947---. Mem.: A.I.A.A.; N.A.I.T.T.; A.V.A.; N.E.A.; Minn. Edn. Assn.; Natl. Graphic Arts Edn. Assn.; Minn. Voc. Assn.; Phi Delta Kappa; Alpha Phi Gamma. Areas of Splty.: Drafting; Printing; Methods of Ind. Edn.. Travel: Mexico; Tasmania; India; China; Philippines; Canada; U.S.. Avoc. Ints.: Gardening; Home; Coin Collecting; Music.

WELLS, Clarence R., Asst. Prof. of Ind. Arts, Northern State Tchrs. Coll., Aberdeen, S.D.. b.: Feb. 10, 1902, Webster, S.D.. Married, one

child. Edn.: B.S., Northern State Tchrs. Coll., Aberdeen, S.D., 1934; M.S., Colo. State Coll., Ft. Collins, 1939; Ford Apprentice Schl.; Smith-Hughes Certif., Sheet Metal and Carpentry. Exp.: Tchr., H. Schl., 17 yrs.; Tchr. Training, Coll., 5 yrs.; U.S.N., 1 yr.. Publs.: Contbd. to "I.A.V.E.". Mem.: S.D. Edn. Assn.; A.F.T.. Areas of Splty.: Sheet Metal; Carpentry. Travel: Canada; U.S.. Avoc. Ints.: Photo.; Woodcarving.

WENGER, Paul N., Prof. of Ind. Arts Edn., Tchrs. Coll. of Conn., New Britain, Conn.. b.: Dec. 18, 1905, Lancaster, Pa.. Married, two children. Edn.: Diploma, Millesville State Norm. Schl., 1925; B.A., Albright Coll., 1926; M.S., Rutgers Univ., 1928; Ed.D., N.Y. Univ., 1936. Exp.: Tchr., Ind. Arts, Lebanon H. Schl., 1925-28; Supv., Manual Arts, Greenwich Pub. Schls., 1928-45; Tchr., Adult Edn., Greenwich Pub. Schls., 1939-45; Assoc. Prof., Ind. Arts, Tchrs. Coll. of Conn., 1945-48; Chair., Ind. Arts and Voc. Ind. Edn. Dept., ibid, 1946---; Prof., Ind. Arts Edn., ibid, 1948---. Publs.: Colonial Furniture, 1935; Provincial Furniture, 1938; Woodworking for Everybody, 1944; Safety Charts, Stanley Tool Works, 1947; Numerous Mag. Articles in "Ind. Arts and Voc. Edn.", "Popular Science", and "Furn. World". Mem.: Fairfield Co. Ind. Arts Assn., Past Pres.; Cos Cob P.T.A., Past Pres.; Greenwich Tchrs. Assn., Past Pres.; Greenwich Tchrs. Fed. Credit Union, Past Pres.; Conn. Ind. Arts Assn., Past V. Pres.; Greenwich Rotary Club, Past Sectry.; Greenwich Rotary Club Bulletin, Past Ed.; Conn. State Tchrs. Conv., Former Delegate; Conn. Voc. Assn., V. Pres.; New Britain Rotary Club, Sectry.; A.A.U.P.; Conn. Ind. Arts Assn.; Conn. Tchrs. Assn.; A.I.A.A.; A.V.A.. Areas of Splty.: Schl. Admin.; Woodworking; Art Metal; Gen. Shop. Travel: U.S.; Mexico; Canada. Avoc. Ints.: Gardening; Craftsmanship; Travel; Colonial Homes; Colonial Furniture.

WENRICH, Ralph C., Prof. of Voc. Edn. and Chair., Dept. of Voc. Edn. and Prac. Arts, Univ. of Mich., Ann Arbor, Mich.. b.: May 26, 1908, Lebanon Co., Pa.. Married, two children. Edn.: B.S., Pa. State Coll., 1931; M.S., ibid, 1934. Exp.: Ind. Arts Tchr., Pa. Pub. Schls., 1931-37; Dir. of Voc. and Adult Edn., Quakertown (Pa.) Pub. Schls., 1937-40; Asst. Prof. of Ind. Edn., Pa. State Coll., State Coll., Pa., 1940-41; Advisor, Ind. Edn., Pa. State Dept. of Pub. Instruction., 1941-42, Asst. Supt. of Voc. Edn., 1946-49, Assoc. Supt. of Voc. Edn., 1949-50; Advisor on Voc. Edn., U.S. Allied Com. in Austria, 1948; Lt. Col., U.S. Army Reserves, 1942-46. Publs.: Contbd. to the following mags.: "Mich. Voc. Outlook", "Occupations", "School Shop", "I.A.V.E.", "American Voc. Jour.", "Mich. Edn. Jour.", "Agricultural Edn. Maga-

zine", "The School Executive", "Edn. Digest", and "The Schl. Guidance Worker". Mem.: N.E.A.; A.V.A.; A.A.S.A.; Mich. Edn. Assn.; Mich. Voc. Assn.; Mich. Ind. Edn. Soc.; Phi Delta Kappa; Kappa Phi Kappa; Mu Sigma Pi; Iota Lambda Sigma; Alpha Tau Omega. Areas of Splty.: Ind. Arts; Voc. Edn.. Travel: Austria. Avoc. Ints.: Hunting; Fishing; Photography.

WENZEL, Arthur C., Instr., Ind. Arts, State Tchrs. Coll., California, Pa.. b.: July 3, 1913, Cranford, N.J.. Married, three children. Edn.: B.S., State Tchrs. Coll., Newark, N.J., 1937; M.Ed., Rutgers Univ., 1943; Work. on Doctorate. Exp.: Ind. Arts, Garwood, N.J., 1937-41; Ind. Arts, Jersey City, N.J., 1941-43; Ind. Arts, Lansdowne, Pa., 1943-46; State Tchrs. Coll., Calif., Pa., 1946---. Publs.: Articles in "I.A.V.E.", "Schl. Shop". Mem.: N.E.A.; Pa. State Edn. Assn.; State Tchrs. Coll. Assn.; A.I.A.A.; Epsilon Pi Tau. Areas of Splty.: Gen. Metals; Drafting. Avoc. Ints.: Gen. Metals.

WESCOTT, John T., Asst. Prof. of Ind. Arts, Mich. State Normal Coll., Ypsilanti, Mich.. b.: May 8, 1917, West Harrison, Indiana. Married, two children. Edn.: B.S., Mich. State Normal Coll., 1940; M.S., Wayne Univ., 1950. Exp.: Ind. Arts Tchr., Pub. Schls., 1940-43, 1947-51; U.S.N. Training Schls., 1943-45; Training Officer, Vet. Admin., 1945-47; Asst. Prof., Mich. State Normal Coll., 1951---. Mem.: Mich. Ind. Edn. Soc.. Areas of Splty.: Arts and Crafts; Gen. Shop. Avoc. Ints.: Leatherwork; Woodwork.

WETZEL, Wayne, Assoc. Prof., Head of Ind. Arts Dept., Western Ill. State Coll., Macomb, Ill.. b.: Sept. 9, 1892, Macomb, Ill.. Married, three children. Edn.: M.S., Tchrs. Coll., Columbia Univ., N.Y.C.. Exp.: Asst. in Ind. Arts, Western Norm. Coll., Macomb, Ill., 1913-18; Head, Ind. Arts Dept., Western Ill. State Coll., Macomb, Ill., 1918---. Mem.: All Nat. Ind. Arts Organizations; A.C.I.A.T.E.; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Aviation Edn.; Methods; Wood; Metal. Travel: N. America. Avoc. Ints.: Aviation.

WHALIN, Ralph W., Head, Ind. Arts Dept., East. Ky. State Coll., Richmond, Ky.. b.: July 3, 1908, Edmonson Co., Ky.. Married, two children. Edn.: B.S., West. Ky. State Coll., 1932; M.Ed., Univ. of Mo., 1937. Exp.: Instr., Ind. Arts, Danville H. Schl., Danville, Ky., 1932-36; Instr., Ind. Arts, Univ. City Sr. H. Schl., Univ. City, Mo., 1937; Head, Ind. Arts Dept., East. Ky. State Coll., 1938---; Tchr. Trainer, The Armored Schl., Fort Knox, Ky., 1942-45. Publs.: Contbd. to various mags.. Mem.: K.E.A.; K.I.A.A.; M.V.I.A.C.; A.I.A.A.; N.A.I.T.T.; A.A.U.P.; Phi Delta Kappa. Areas of Splty.: Woodwork; Methods

Courses. Avoc. Ints.: Boy Scouts; Fishing.

WHIFFEN, U. Glenn, Chair., Dept. of Ind. Arts, State Coll. of Wash., Pullman, Wash.. b.: Apr. 8, 1895, Horton, Kan.. Married. Edn.: B.S., Kan. State Tchrs. Coll., Pittsburg, Kan., 1923; M.S., Ia. State Coll., Ames, Ia., 1930. Exp.: Pub. Schls., Excelsior Springs, Mo., 1923-27; Northwestern State Tchrs. Coll., Marysville, Mo., 1928-32; State Coll. of Wash., Pullman, Wash., 1932—. Publs.: Contbd. to "I.A.V.E.". Mem.: A.I.A.A.; A.V.A.; N.A.I.T.T.; Wash. State Ind. Arts Assn.; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Art Metalwork; Ind. Arts Problems and Methods. Travel: England; France; Germany; Canada; U.S.. Avoc. Ints.: Outdoor Sports; Amateur Radio; Crafts; Gardening.

WHITE, Alvin M., Instr., N. Tex. State Coll., Denton, Tex.. b.: May 15, 1923, Utica, Okla.. Married. Edn.: B.S., Southeastern State Coll., Durant, Okla., 1947; M.S., N. Tex. State Coll., Denton, 1949. Exp.: Tchr., Pub. Schl., Hobbs, N.M., 1947-48; Teaching Fellow, Ind. Arts, N. Tex. State Coll., Denton, 1948-49; Instr., Ind. Arts, N. Tex. State Coll., Denton, 1949—. Mem.: Phi Delta Kappa. Area of Splty.: Auto Mechs.. Avoc. Ints.: Hunting; Golf; Photography.

WHITE, Henry A., Head, Ind. Arts and Voc. Edn. Dept., N.M. Western Coll., Silver City, N.M.. b.: Jan. 29, 1907, Eskridge, Kan.. Married, two children. Edn.: B.S., Kan. State Tchrs. Coll., Pittsburg, Kan., 1932; M.S., Ia. State Coll., Ames, Ia., 1940. Exp.: E. H. Schl., Des Moines, Ia., 1929-38; Lockfort H. Schl., Lockfort, Ill., 1938-47; N.M. Western Coll., Silver City, N.M., 1947—. Mem.: N.M. Ind. Arts Assn.; N.M. Edn. Assn.; A.I.A.A., State Rep.. Areas of Splty.: Auto Mechanics; Safety; Driver Edn.. Avoc. Ints.: Safety.

WHITE, Leland W., Asst. Hd. of Ind. Arts Dept., State Normal and Ind. Coll., Ellendale, N.D.. b.: May 19, 1919, Kintyre, N.D.. Married, two children. Edn.: B.S., State Normal and Ind. Coll., 1947; M.S., Colo. A. & M. Coll., Ft. Collins, 1951. Exp.: Officer, U.S. Army, 1942-46; Ind. Arts Tchr., Pub. Schls., 1948-51; State Normal and Ind. Coll., Ellendale, N. D., 1951—. Mem.: N.E.A.; A.V.A.; N. D. Edn. Assn.; Iota Lambda Sigma. Areas of Splty.: Drafting; Crafts; Tchr. Training. Travel: S. Pacific; U.S.. Avoc. Ints.: Photo.; Golf; Gardening; Travel.

WHITESEL, John A., Prof. of Ind. Arts Edn., Miami Univ., Oxford, Ohio. b.: Mar. 8, 1903, Charleston, Ill.. Married, two children. Edn.: Diploma, East. Ill. State Coll., Charleston, 1922; B.S., Univ. of Cincinnati, Ohio, 1933; M.Ed., ibid, 1935; Ph.D., Ohio State Univ., Columbus, Ohio, 1940. Exp.: Instr., Ind. Arts, Community H. Schl., New-

ton, Ill., 1922-23; Pub. Schls., Park Ridge, Ill., 1924-25; Pub. Schls., River Forest, Ill., 1924-26; Instr., Dir. of Ind. Arts, Tchrs. Coll. of Conn., New Britain, 1937-41; Prof. of Ind. Arts Edn., Miami Univ., Oxford, Ohio, 1941—. Publs.: Contributed to the following magazines: "I.A.V.E."; "Amer. Schl. and Univ. Yearbook for 1943"; "Review of Edn. Research"; "Nation's Schls.". Mem.: A.C.I.A.T.E., Exec. Sectry., 1950—, Organizational Chair., 1948-50; A.I.A.A., Pres., 1947-48, Mem. of Exec. Com., 1939-48, Chair., Tchr. Edn. Com., 1948-49, Chair., Com. on Memberships and Affiliations, 1942-47, Life Mem.; Amer. Ednl. Research Assn., Chair., Com. for Oct. 1950 issue; N.E.A., Life Mem.; Ohio Ind. Arts Assn., Pres., 1946-48; Ky. Ind. Arts Assn., Pres., 1937-38; Conn. Ind. Arts Assn., Sectry., 1939-41; Epsilon Pi Tau, Acting Natl. Sectry., 1945-47, Laureate Mem.; Phi Delta Kappa. Areas of Splty.: Profnl. Courses; Graphic Arts; Gen. Shop. Travel: U.S.; Canada; Mexico. Avoc. Ints.: Handicrafts; Gardening.

WHITNEY, H. H., Prin., Training Schl., Superior State Coll., Superior, Wis.. b.: Mar. 18, 1888, Bradley, Mich.. Married. Edn.: Life Cert., Western State Coll., Kalamazoo, Mich., 1909; B.S., Carnegie Inst. of Tech., 1917; M.S., Colo. A. & M. Coll., Fort Collins, Colo., 1935. Exp.: Public Schls., Painesdale, Mich., 1909-12; Pub. Schls., Pittsburg, Pa., 1912-20; Tchrs. Coll., Oshkosh, Wis., 1920-37; Superior State Coll., Superior, Wis., 1937—. Publs.: Several courses of study for Ind. Arts. Mem.: Wis. Tchrs. Colleges; N.W. Wis. Assn.. Area of Splty.: Administration; Woodwork. Travel: U.S..

WHYDOTSKI, Lloyd, Asst. Prof., The Stout Inst., Menomonie, Wis.. b.: Jan. 17, 1910, Appleton, Wis.. Married, one child. Edn.: B.S., The Stout Inst., Menomonie, Wis., 1941; M.A., Colo. State Coll. of Edn., Greeley, 1948; Schl. of Linotype Instruction, 1950. Exp.: Paper and Pulp Mill Work, 1928; Photoengraving, 1929; Advertising Agency, 1930; Printer, Compositor, 1931—; Tchr., Pub. Schls., 3 yrs.; Tchr. Training, 3 yrs.. Mem.: N.E.A.; A.V.A.; A.A.U.P.; Wis. Edn. Assn.; Wis. Assn. for Voc. and Adult Edn.; Northwestern Wis. Tchrs. Assn.; International Graphic Arts Edn. Assn.; Epsilon Pi Tau; Phi Delta Kappa. Areas of Splty.: Printing; Graphic Arts. Travel: New Zealand; Australia; New Guinea; Philippine Islands; U.S.. Avoc. Ints.: Book Collecting; Photo.; Bookbinding; Hunting; Fishing; Canoeing; Conservation.

WIDDOWSON, H. T., Assoc. Prof. of Ind. Edn., Univ. of Minn., Minneapolis, Minn.. b.: Jan. 1, 1897, Albert Lea, Minn.. Married, two children. Edn.: B.S., Univ. of Minn., 1926; M.A., ibid, 1937. Exp.: Head, Dept. of Ind. Edn., International Falls, Minn., 1926-30; State Supv., T. & I. Edn., Minn., 1930-38; Dept. of Ind. Edn., Univ. of Minn., 1938—;

Field Agent, War Production Training, 1940-46. Area of Splty.: Profnl. Courses.

WIENER, Merle O., Instr., Ia. State Coll., Ames, Ia.. b.: Oct. 26, 1913, Humboldt Co., Ia.. Married, two children. Edn.: B.S., Ia. State Tchrs. Coll., Cedar Falls, Ia., 1938; M.S., Ia. State Coll., Ames, Ia., 1950. Exp.: 6 yrs., Ind. Edn., Ia. H. Schls.; Instr., Ind. Edn., Ia. State Coll., Ames, Ia., 1948—; 2 yrs., Gen. Sheet Metal Work, Dubuque, Ia.. Publs.: Contbd. to "Ia. Ind. Arts Handbook". Mem.: N.A.I.T.T.; Ia. Ind. Edn. Assn.; Epsilon Pi Tau; Gamma Sigma Delta; Phi Delta Kappa. Areas of Splty.: Metalwork. Travel: U.S.. Avoc. Ints.: Sports; Cabinet Making.

WIGGINS, G. Kenneth, Prof., City Coll. of N. Y., N. Y., N. Y.. b.: Mar. 6, 1904, Patchogue, N. Y.. Married, one child. Edn.: B.S., N. Y. Univ., 1942; M.A., ibid, 1947. Exp.: Const., 1924-34; Tchr., Pub. Schls., 1934-49; Ind. Arts, City Coll. of N. Y., 1949—. Areas of Splty.: Woodwork; Boat Bldg..

WIGEN, Ray A., Prof., Dir. of Grad. Studies, The Stout Inst., Menomonie, Wis.. b.: May 22, 1896, River Falls, Wis.. Married, one child. Edn.: Diploma, State Tchrs. Coll., River Falls, Wis., 1916; B.S., Univ. of Minn., 1930; M.A., ibid, 1933; Course Work Completed for Ph.D.. Exp.: Tchr., Ind. Arts, Science, Athletics, H. Schl., Mazeppa, Minn., 1916-17; U.S. Army, 1917-18; Tchr., Ind. Arts, Athletics, H. Schl., Buffalo, Minn., 1919-24; Tchr., Ind. Arts, H. Schl., S. St. Paul, Minn., 1925-33; Shopwork, The Stout Inst., Menomonie, Wis., 7 yrs., Supv., Stud. Tchrs., 5 yrs., Dir. of Grad. Studies, 5 yrs.. Publs.: Contbd. to "I.A.V.E."; State Bulletins for Minn. and Wis.. Mem.: N.E.A.; A.V.A.; A.A.U.P.; N.A.I.T.T.; Minn. Ind. Arts Assn.; Univ. of Minn. Schl. Men's Week; Wis. Voc. and Adult Edn. Assn., V. Pres., 1941-45; Wis. State Curr. Com., Co-Chair., Ind. Arts Sect., 1945-51; Wis. Ind. Arts Assn., Officer, 1950-51; Northwestern Wis. Tchrs. Assn.; Phi Delta Kappa; Epsilon Pi Tau; Soc. for the Advancement of Amer. Edn.. Areas of Splty.: T. & I. Edn.; Admin. and Supvn.. Travel: Canada; U.S.. Avoc. Ints.: Fishing; Boating; Bowling; Craft Work.

WIKLE, K. G. (l.i.), M.S., Asst. Prof., Dept. of Shop Practice, Kan. State Coll., Manhattan, Kansas.

WILBER, Gordon O., Dir., Ind. Arts Tchr. Edn., State Univ. of N.Y., State Tchrs. Coll., Oswego, N.Y.. b.: May 28, 1897, Little Valley, N.Y.. Married. Edn.: B.S., N.Y. Univ., 1930; M.A., Ohio State Univ., 1936; Ph.D., ibid, 1941. Exp.: Instr., Ind. Arts: H. Schl., Islip, N.Y.,

1922-29; Central Schl., Chazy, N.Y., 1929-31; H. Schl., Little Falls, N.Y., 1931-33; Instr., Gen. Metals, Tchrs. Coll., Oswego, N.Y., 1933-40; Dir., Ind. Arts Tchr. Edn., ibid, 1940---. Publs.: Author: Ind. Arts in General Edn.; Co-author: Pewter: Spun, Wrought, and Cast; Aeronautics in the Ind. Arts Program. Mem.: Epsilon Pi Tau, Chair. Bd. of Trustees; Phi Delta Kappa; A.I.A.A., Pres., 1951---; A.C.I.A.T.E., V. Pres., 1950-51; N.A.I.T.T.; N.Y.S.V.P.A.A.; N.Y.S. Tchrs. Coll. Faculties Assn.; Central N.Y. Ind. Arts Club. Areas of Splty.: Administration; Metal. Travel: United States; Canada. Avoc. Ints.: Metal Spinning; Gardening; Fishing; Color Photography.

WILCOX, T. Glade, Assoc. Prof., The A. & M. Coll. of Texas, Coll. Station, Tex.. b.: Oct. 18, 1913, Macomb, Ill.. Married, three children. Edn.: B.E., Western Ill. State Tchrs. Coll., Macomb, Ill., 1937; Trade Cert., Coyne Elect. Schl., Chicago, Ill., 1942; M.S., Univ. of Ill., Urbana, Ill., 1947; Working on Ed.D.. Exp.: Prin., Coach, Science, Math., Fillmore, Ill. H. Schl., 1937-38; Coach, Science, Math., Farmersville, Ill. H. Schl., 1938-39; Fresh. Coach, Shop Asst., Western Ill. State Tchrs. Coll., Macomb, Ill., 1939; Gen. Shop, Greeley Schl., Streator, Ill., 1939-41; Churchill Jr. H. Schl., Galesburg, Ill., 1941-42; Unit Shop Elect., Radio, Sr. H. Schl., Freeport, Ill., 1942-47; Instr., Ind. Arts, Ind. State Tchrs. Coll., Terre Haute, Ind., 1947-50; Assoc. Prof., The A. & M. Coll. of Tex., Coll. Station, Tex., 1950---; Elect. exp. in industry; Exp. as camp counselor. Publs.: Contbd. to "I.A.V.E."; "School Shop"; "Ind. Edn. Assn. Bull."; "Mo. Ind. Edn. Bull."; "The Tchrs. Coll. Jour.". Mem.: A.V.A.; Tex. Voc. Assn.; Tex. State Tchrs. Assn.; Kappa Delta Pi; Phi Delta Kappa; Iota Lambda Sigma; Epsilon Pi Tau. Areas of Splty.: Electricity and Radio; Tchr. Edn.. Travel: Mexico; U.S.. Avoc. Ints.: Amateur Radio W5UHF; Swimming; Boy Scout Work. Inventions; Burgess Battery Dry Cell Kit.

WILKINS, J. E. (l.i.), Instr., Dept. of Ind. Edn., The A. and T. Coll. of N.C., Greensboro, N.C..

WILLEMS, Alvin, Instr., McPherson Coll., McPherson, Kan.. b.: July 3, 1925, Inman, Kan.. Edn.: B.S., McPherson Coll., McPherson, Kan., 1950. Exp.: Welding, Garage Work, Body and Fender Work, 1943---. Areas of Splty.: Welding; Mechs.; Woodwork. Travel: Philippines; S. Pacific; U.S.. Avoc. Ints.: Music; Model Bldg.; Autos..

WILLIAMS, A. W. (l.i.), Instr., Dept. of Ind. Edn., The A. and T. Coll. of N.C., Greensboro, North Carolina.

WILLIAMS, Amos G., Prof., Head, Ind. Arts Dept., Southeast Mo. State Coll., Cape Girardeau, Mo.. b.: April 26, 1913, Nevada, Ia.. Married,

two children. Edn.: B.A., Westmar Coll., Le Mars, Ia., 1934; M.S., Ia. State Coll., Ames, Ia., 1936. Exp.: Head, Ind. Arts Dept., Westmar Coll., Le Mars, Ia., 1935-42; Assoc. Prof., Ind. Arts, Neb. State Tchrs. Coll., Wayne, Neb., 1942-44; Instr., Drafting, Southeast Mo. State Coll., Cape Girardeau, Mo., 1944-45; Instr., Arch. Drafting, Maine Twp. H. Schl., Des Plaines—Park Ridge, Ill., 1945-46; Prof., Ind. Arts, Southeast Mo. State Coll., Cape Girardeau, Mo., 1946—. Publs.: Articles in "I.A.V.E.". Mem.: A.V.A.; A.I.A.A.; A.C.I.A.T.E.; N.A.I.T.T.; Mo. Ind. Edn. Assn.; Miss. Valley Ind. Arts Conf.. Areas of Splty.: Drafting; Machine Shop. Travel: U.S.. Avoc. Ints.: Gunsmithing; Mountain Climbing; Stone Masonry; Religious Edn.; Earth Science; Cartography; Photography.

WILLIAMS, J., (l.i.), Instr., Ind. Arts, Middle Tenn. State Coll., Murfreesboro, Tennessee.

WILLIAMS, Raymond P., Instr. of Welding, The Agri. and Tech. Coll. of N.C., Greensboro, N.C.. b.: June 19, 1914, High Point, N. C.. Married, three children. Exp.: Hd. of Ind. Arts Dept., C.C.C. Schl., Ft. Bragg., N. C., 1935-36; Instr. of Ind. Arts, Palmer Memorial Inst., 1937-38; Defense Work, 1944-45; Instr. of Welding, A. & T. Coll. of N. C., 1945—. Avoc. Ints.: Auto Mechanics; Carpentry; Cabinetmaking; Electricity; Recreational Leadership; Swimming; First Aid; Aviation.

WILLIAMS, Walter R., Jr., Prof. of Edn. and Head, Dept. of Ind. Arts and Voc. Edn., Univ. of Fla., Gainesville, Fla.. b.: Jan. 22, 1909, Damascus, Ohio. Married, three children. Edn.: Shanghai-American Schl. and Hillcrest Schl., Nanking, China; Asbury Coll., 1927-29; B.S., Ohio State Univ., 1931; Univ. of Calif., Berkeley, Summer 1932; M.A., Ohio State Univ., 1933; Univ. of Cincinnati; Summer 1935; Univ. of Minnesota, 1935-36; Ph.D., Ohio State Univ., 1944. Exp.: Lab. Assist. in Zoology and Ornithology, Asbury Coll., 1928-29; Tchr. in Crafts, Camp Pemigewasset, N. H., Summers 1930-and 31; Tchr. Norwood (O.) High Schl. Lab. of Industries, 1931-35; Instr. of Ind. Ed., Univ. of Minn. Demon. Schl., Minneapolis, 1935-36; Supv. of Arts and Industries, Oberlin, Ohio, 1936-40; Grad. Assist. El. Ind. Arts, Ohio State Univ., Summers 1939 and 40; Part-time Construction Contractor, 1933-40; Prof. of Ind. Arts, Fla. Sou. Coll., 1940-42; Commercial Citrus and Housing Ints., Lakeland, Fla., 1942—; Prof. of Edn., Univ. of Fla., Gainesville, 1942—; Head, Prof. of Ind. Arts and Voc. Edn., 1947—; Editor, Coll. of Edn. Publications (U. of Fla.), 1942-45; Consultant for Ind. Arts, State Dept. of Edn., Tallahassee, Fla., 1947—; Cons., Ednl. Policies Comm. of Natl. Edn. Assn. and Am. Assn. of Schl. Adminstr., 1948—; Advisor to Bd. of Mgrs., Pacific Coll., Newberg, Ore., 1948-50;

Mem.: A.C.I.A.T.E., pres., 1950-52; Chm. Constitution Comm., 1952---; Chm., Publications Comm., 1950---; A.I.A.A., pres., 1948-49, V-pres., 1947-48; Chm., Constitution Comm., 1947---; Fla. Ind. Arts Assn., pres., 1942-46; v-pres., 1941-42; Schl. and Coll. Conf., Natl. Safety Council, 1948---; A.V.A.; Chairman, Program Committee, Ind. Arts Section, 1950; I.A.P.P.C. of A.V.A., 1950-51; Liaison Comm., A.V.A. and A.I.A.A., 1950; Chm. of Public Relations Comm., Ind. Arts Section, A.V.A., 1952---; Epsilon Pi Tau; Laureate Award, 1950; Trustee, Alpha Sigma Chapter; Phi Delta Kappa; Kappa Delta Pi; Kappa Pi; Theta Chi; Exec. and Natl. Advisory Comms. for Ind. Arts Awards, sponsored by Ford Motor Co., 1950---; Natl. Judge, Chicago, 1951, and Dearborn, 1952; Chm., State Supt.'s Advisory Comm. on Voc. Edn. in Fla., 1952-53; Am. Farm Bureau; Society of Friends. Publs.: Author, Galley Models, 1931, Exploring the Arts and Industries, 1940, The Speculum, 1941; Co-author, A Brief Guide To Teaching Industrial Arts in the Secondary Schools, 1948; Editor, Living and Learning in the Elementary Grades, 1943, ABC's of Supervision—A Manual for Supervisors and Administrators, 1945; Co-editor, Inventory-Analysis of Industrial Arts Teacher Education Facilities, Personnel, and Programs, 1952, Who's Who in Industrial Arts Teacher Education, 1953; Contbd. to professional Journs. and The World Book Encyclopedia. Area of Splty.: Graduate Profnl. Courses in Ind. Arts and Voc. Edn.. Travel: China, Japan, Hawaii, and Canada. Avoc. Ints.: Conslt. on Lab. Planning, Architecture and Commercial Citrus.

WILLIAMSON, Russell W., Asst. Prof., Ore. State Coll., Corvallis, Ore.. b.: Sept. 17, 1911, Albany, Ore.. Married, two children. Edn.: B.S., Ore. State Coll., Corvallis, 1935; M.A., Univ. of Minn., 1948. Exp.: Tchr., Ind. Arts, Crook County H. Schl., Prineville, Ore., 1935-39; Tchr., Ind. Arts, Turlock Union H. Schl., Turlock, Calif., 1939-40; Tool and Die Maker, Lockheed Aircraft Co., Burbank, Calif., 1940-46; Asst. Prof., Ore. State Coll., Corvallis, 1946---. Publs.: Contbd. to "Ore. Schl. Jour.". Mem.: Epsilon Pi Tau; Phi Delta Kappa. Areas of Splty.: Mach. Shop; Sheet Metal; Art Metal. Avoc. Ints.: Music; Woodwork; Stamp Collecting; Home; Church Work.

WILLOUGHBY, George A., Prof., Head, Ind. Arts Dept., Mich. State Norm. Coll., Ypsilanti, Mich.. b.: Sept. 24, 1894, Owosso, Mich.. Married, one child. Edn.: B.S. in M.E., Mich. State Coll., 1916; E.E., ibid, 1926; M.A.E., Univ. of Mich., 1928. Exp.: Tchr., Pub. Schls., 12 yrs.; Tchr. Training, Dept. Head, Ball State Tchrs. Coll., 1928-29; Tchr. Training, Dept. Head, Mich. State Norm. Coll., 1930---. Publs.: Pract. Elect. for Beginners; Essentials of Elect. Work; House Wiring;

Elect. Motor Work; Automotive Elect. Simplified; Elem. Elect. Work; Elements of Shop Drawing; Gen. Shop Handbook, co-author; Many others during past 34 yrs.; About 100 articles to "I.A.V.E.", "Ind. Edn.", "School Shop", "Popular Science". Mem.: A.I.A.A.; N.A.I.T.T.; Mich. Ind. Edn. Soc.; Mich. Edn. Soc.; Tau Beta Pi; Epsilon Pi Tau; Phi Delta Kappa; Numerous Committees, Local and State. Area of Splty.: Profnl. Courses. Travel: U.S.. Avoc. Ints.: Gardening; Fishing.

WILSON, C. L., Dean of Engineering, Prairie View Agri. and Mech. Coll., Prairie View, Texas. b.: Nov. 30, 1905, Ottawa, Kan.. Married, one child. Edn.: B.S., Kan. State Coll., 1925; M.E., ibid, 1929; M.S., ibid, 1933. Exp.: Prairie View A. & M. Coll., 1926—. Mem.: Natl. Soc. of Professional Engrs.; Amer. Soc. for Testing Materials; Amer. Soc. for Engrn. Edn.. Area of Splty.: Mech. Engrn.. Avoc. Ints.: Architecture.

WILSON, Clyde H., Prof. of Ind. Edn. and Head, Dept. of Ind. Edn., Univ. of Tenn., Knoxville, Tenn.. b.: Dec. 28, 1889, Bellbrook, Ohio. Married, three children. Edn.: B.A., Miami Univ., Oxford, Ohio, 1910; B.S., Ohio State Normal Coll., 1912; M.S., Univ. of Tenn., 1927. Exp.: Eastern Ky. State Normal Schl., 1910-12; W. Tenn. State Normal Schl., 1912-17; U.S. Army, 1918; W. Tenn. State Coll., 1919-25; Univ. of Tenn., 1925—; Manhattan Project, Tenn. Eastman Corp., 1943-44. Publs.: A Guide for Instructors; A Handbook for Evening Trade Ext. Tchrs.; A Manual for Foreman Conference Leaders. Mem.: A.V.A.; N.A.I.T.T., Pres., 1941; N.E.A.; A.A.U.P.; A.I.A.A.; Amer. Assn. for Adult Edn.; Tenn. Ind. Personnel Conf.; Tenn. Edn. Assn.; Tenn. Voc. Assn., Pres., 1932; Tenn. Academy of Science; Tech. Soc. of Knoxville; Iota Lambda Sigma, Natl. Pres., 1931, Natl. Sectry-Treas., 1945—; Phi Kappa Phi; Phi Delta Kappa. Areas of Splty.: Methods; Supvn.. Travel: U.S.. Avoc. Ints.: Collegiate Athletics.

WILSON, Frances E., Instr., James Millikin Univ., Decatur, Ill.. b.: Mar. 13, 1911, Decatur, Ill.. Edn.: B.S., James Millikin Univ., 1932; M.S., Univ. of Ill., 1951. Exp.: Art Instr., Jr. H. Schl., 1933-42; Draftsman and Designer, 1942-45; Layout Artist, 1945-46; Instr., James Millikin Univ., 1946—. Mem.: A.A.U.P.; Amer. Assn. of Univ. Women; Business and Professional Woman's Club; Kappa Delta Pi. Areas of Splty.: Crafts; Mech. Drawing. Travel: U.S.; Canada. Avoc. Ints.: Travel; Crafts; Music.

WILSON, Jesse M., Instr., Prairie View Agri. and Mech. Coll., Prairie View, Texas. b.: July 29, 1905, Brazoria, Texas. Married, two children. Edn.: B.S., Kan. State Tchrs. Coll., 1942. Exp.: Texas D.D. &

B. Inst., 1928-31; Prairie View A & M Coll., 1931—. Mem.: N.A.I.T.T.; Colored Tchrs. State Assn. of Texas. Area of Splty.: Tailoring. Avoc. Ints.: Gardening; Poultry Raising.

WILSON, Robert Claude, Instr., Ore. State Coll., Corvallis, Ore.. b.: Nov. 6, 1916, Druxford, Saskatchewan, Canada. Married, two children. Edn.: B.S., Ore. State Coll., Corvallis, 1949. Exp.: Automobile Repairman, 1937-41; U.S.C.G., 1942-45; Instr., Ore. State Coll., Corvallis, 1949—. Mem.: Epsilon Pi Tau. Areas of Splty.: Woodwork; Driver Edn.; Elem. Crafts. Avoc. Ints.: Boat Bldg.; Automobile Repair; Novelties in Wood.

WILSON, Wade, Instr., State Tchrs. Coll., Cheyney, Pa.. b.: July 29, 1914, Birmingham, Ala.. Married, one child. Edn.: B.S., State Tchrs. Coll., Cheyney, Pa., 1936; M.Ed., Pa. State Coll., State Coll., Pa., 1937; Working on Doctorate. Exp.: Asst. Prof. of Mech. Arts, Md. State Coll., Princess Anne, Md., 1937-39, 1946-47; Head, Dept. of Ind. Edn., Ga. State Coll., Savannah, Ga., 1939-40; Head, Dept. of Ind. Edn., Tenn. State Coll., Nashville, Tenn., 1940-42; Instr., U.S.A.A.C. Tech. Schl., Chanute Field, Ill., 1942-43; Head Expediter, Mach. Shop., Sun Ship Bldg. and Dry Dock Co., 1943-46; Instr., State Tchrs. Coll., Cheyney, Pa., 1947—. Publs.: Contbd. to "Schl. Shop". Mem.: A.I.A.A.; Pa. State Edn. Assn.; Pa. Tchrs. Assn.; Phi Delta Kappa. Areas of Splty.: Ind. Arts Edn.; Guidance; Edn. Psychology. Avoc. Ints.: Sports; Cards; Club Activities.

WINBURN, H. J. (l.i.), B.S., Instr., Ind. Arts Dept., Murray State Schl. of Agriculture, Tishomingo, Oklahoma.

WISE, Kenneth Gordon, Instr., Fairmont State Coll., Fairmont, W. Va.. b.: Mar. 13, 1910, Stark Co., Ohio. Married, two children. Edn.: B.S., Ohio Univ., 1934; M.A., ibid, 1945; Working on Ph.D.. Exp.: Instr., Gen. Shop, Clarksburg H. Schl., 1935-37; Instr., Gen. Shop, Unioto H. Schl., Chillicothe, Ohio, 1937-39; Instr., Gen. Shop, Westerville H. Schl., 1939-48; Instr., Ind. Arts and Engr. Depts., 1948—. Publs.: Contbd. to "Schl. Shop", "O.E.A. Jour.". Mem.: A.I.A.A.; A.V.A.; A.A.U.P.; W. Va. Ind. Arts Assn.; Epsilon Pi Tau. Areas of Splty.: Drafting; Design; Gen. Shop; Shop Planning. Travel: Canada; U.S.. Avoc. Ints.: Collecting and Rebuilding Firearms; Conservation of Wildlife; Bldg. Early Amer. Furn. of Curly Maple.

WISEHART, R. E. (l.i.), Instr., Dept. of Shop Practice, Kan. State Coll., Manhattan, Kansas.

WOLF, Russell P., Instr., Hampton Inst., Hampton, Va.. b.: June 20, 1886, Reiglesville, Pa.. Married, one child. Edn.: Diploma, William-

son Trade Schl., 1907. Exp.: Journeyman Carpenter, 1907-09; Instr., Carpentry, Hampton Inst., Hampton, Va., 1909-19, Drafting, 1919-36, Carpentry, 1936-48, Drafting, 1948---. Mem.: Va. Voc. Assn.; A.V.A.; Peninsula Ind. Edn. Club; Iota Lambda Sigma. Areas of Splty.: Carpentry; Drafting. Travel: U.S..

WOOD, F. R. (l.i.), B.S., Instr., Dept. of Ind. Edn. and Ind. Management, Va. State Coll., Petersburg, Va..

WOODARD, Claude L., Instr., Kan. State Coll., Manhattan, Kan.. b.: June 6, 1922, Kan.. Married, two children. Edn.: B.S., Kan. State Coll., 1948; M.S., ibid, 1949. Exp.: Instr., Shop Practice, Kan. State Coll., 1949---. Mem.: Phi Delta Kappa. Area of Splty.: Woodworking, Driver Edn.. Travel: England, France, Belgium, Germany, Holland. Avoc. Ints.: Hunting, Fishing, Firearms repair.

WOODRUFF, James B., Asst. Prof. of Ind. Arts, Colo. State Coll. of Edn., Greeley, Colo.. b.: Aug. 28, 1921, Greeley, Colo.. Married, two children. Edn.: B.A., Colo. State Coll. of Edn., Greeley, Colo.; M.A., ibid. Exp.: Lab. Asst., Metalwork, Colo. State Coll. of Edn., Greeley, Colo., summers, 1937-42; Bookbinding Instr., Supv., Library Bindery, 1942-43; Officer, A.A.F., 1944-46; Asst. Prof., Ind. Arts, Colo. State Coll. of Edn., Greeley, Colo., 1947---. Mem.: Delta Phi Delta, Pres., 1942-43; Kappa Delta Pi; Phi Delta Kappa; Lambda Sigma Tau; Blue Key. Area of Splty.: Metalwork. Avoc. Ints.: Skiing; Hunting; Fishing; Gunsmithing; Travel.

WOODS, Harold O., Instr., Kan. State Tchrs. Coll., Emporia, Kan.. b.: Sept. 12, 1921, Duncan, Okla.. Married. Edn.: B.S., Okla. A. & M. Coll., Stillwater, Okla., 1947; M.S., ibid, 1949. Exp.: Officer, U.S. Army, 1943-46; Stud. Instr., Okla. A. & M. Coll., Stillwater, Okla., 1947-49; Instr., Kan. State Tchrs. Coll., Emporia, Kan., 1949---; On Military Leave of Absence from July, 1950. Mem.: Iota Lambda Sigma; Phi Delta Kappa; Epsilon Pi Tau. Area of Splty.: Metalwork. Travel: Europe; Pacific Area. Avoc. Ints.: Fishing; Hunting.

WOODS, Stephen R., (l.p.) Assoc. Prof. of Ind. Arts, Middle Tenn. State Coll., Murfreesboro, Tenn.. b.: July 31, 1899, Murfreesboro, Tenn.. Married, two children. Edn.: B.S.E.E., Univ. of Tenn., Knoxville, Tenn., 1925; M.S.E.E., ibid, 1933. Exp.: Prof., Ind. Arts, Martin Jr. Coll., Martin, Tenn., 1927-40; Assoc. Prof., Ind. Arts, Middle Tenn. State Coll., Murfreesboro, Tenn., 1948-52. Mem.: N.E.A.; A.I.A.A.; A.V.A.; Tenn. Edn. Assn.; Tenn. Voc. Assn.; Middle Tenn. Ind. Arts Roundtable. Areas of Splty.: Elect. Engrn.; Radio. Travel: U.S.. Avoc. Ints.: Boy Scout Work; Electronics.

WORK, Warren, Instr. of Ind. Arts, Prairie View A. & M. Coll., Prairie View, Tex.. b.: Oct. 24, 1924, Newton, Kan.. Edn.: B.S., Kan.State Tchrs. Coll., Pittsburg, 1951. Exp.: Instr., Prairie View A. & M.Coll., 1951——. Areas of Splty.: Auto Mechanics; Woodwork. Avoc. Ints.: Athletics; Farming.

WRIEDT, Cecil, Prof. of Ind. Arts, State Tchrs. Coll., Wayne, Neb.. b.: Feb. 20, 1912, Neb.. Married, two children. Edn.: B.A., State Tchrs. Coll., Wayne, Neb., 1934; M.S., Ia. State Coll., 1941. Exp.: Pub. Schls., Ia. and Neb., 11 yrs.; Instr., Mach. Shop, A.A.F.T.T.C., 1 yr.; Instr., Ind. Arts, State Tchrs. Coll., Wayne, Neb., 3 yrs.. Mem.: N.E.A.; Neb. State Edn. Assn.; Phi Delta Kappa; Epsilon Pi Tau. Areas of Splty.: Metalwork; Woodwork.

WRIGHT, Lawrence S., Instr., Ind. Arts, Ia. State Tchrs. Coll., Cedar Falls, Ia.. b.: Jan. 23, 1923, Fall River, Wis.. Married, one child. Edn.: B.S., Stout Inst., Menomonie, Wis., 1946; M.S., ibid, 1947; Grad. Work, Univ. of Mo.. Exp.: Grad. Asst., The Stout Inst., 1946–47; Asst. Instr., Eng. Draw., Univ. of Mo., 1947–49; Instr., Ind. Arts, Ia. State Tchrs. Coll., 1949——. Mem.: Phi Delta Kappa; Phi Mu Alpha Sinfonia; Epsilon Pi Tau. Areas of Splty.: Draw.; Gen. Shop. Travel: China; Japan; Pacific Area. Avoc. Ints.: Gardening; Photo.; Boy Scout Work; Singing.

WRIGHT, Sidney E., Prof., Superior State Coll., Superior, Wis.. b.: Feb. 17, 1903, Mankato, Minn.. Married, two children. Edn.: B. S., Univ. of Minn., 1929; M.A., ibid, 1935. Exp.: Pub. Schls., Hawley, Minn., 1925–27; Pub. Schls., Superior, Wis., 1929–41; State Coll., Superior, Wis., 1942——. Mem.: N.A.I.T.T.; Assn. of Wis. Tchrs. Colleges; Lake Superior Edn. Assn.. Areas of Splty.: Woodwork; Drawing. Travel: U.S.. Avoc. Ints.: Golf Sail Boating.

WRIGHT, T.A. (l.i.), Instr., Dept. of Ind. Edn., Va. State Coll., Petersburg, Va.

WRIGHT, Welcome E., Asst. Prof., The A. & M. Coll. of Texas, Coll. Station, Texas. b.: Mar. 23, 1909, Commerce, Texas. Married, two children. Edn.: B.S., E. Tex. State Coll., Commerce, Tex., 1932; M.S., The A. & M. Coll. of Tex., Coll. Station, Tex., 1939; Working on Ed.D.. Exp.: Org. and Taught Ind. Arts, White Oak H. Schl., Longview, Tex., 1932–39; Org. and Taught Ind. Arts, Longview Sr. H. Schl., Longview, Tex., 1939–42; Consolidated Vultee Aircraft Co., 1942–46; Dept. of Ind. Edn., The A. & M. Coll. of Tex., Coll. Station, Tex., 1946——. Publs.: Numerous articles in "I.A.V.E.". Mem.: A.I.A.A.; A.V.A.; N.A.I.T.T.; Tex. Ind. Arts Assn.; Iota Lambda Sigma. Areas of Splty.: Hand Crafts; Ind. Arts Lab. Planning.

YAEKLE, William A., Asst. Prof., Ind. Arts Edn., Miami Univ., Oxford, Ohio. b.: Sept. 23, 1914, Hamilton, Ohio. Edn.: B.S., Miami Univ., Oxford, Ohio, 1937; M.A., ibid, 1940. Exp.: St. Bernard H. Schl., Cincinnati, Ohio, 1937-38; Asst. Prof., Ind. Arts Edn., Miami Univ., 1940—. Mem.: Epsilon Pi Tau; Phi Delta Kappa. Areas of Splty.: Electricity; Automotives; Driver Edn.. Travel: U.S.; Canada. Avoc. Ints.: Radio; Electronics; Automotives.

YAGER, Sylvan A., Chair., Dept. of Ind. Arts and Trades and Industry, Indiana State Tchrs. Coll., Terre Haute, Indiana. b.: Feb. 18, 1900, Advance, Indiana. Married, two children. Edn.: B.S., Indiana State Tchrs. Coll., Terre Haute; M.S., Indiana Univ.; Other Grad. Study. Exp.: Tchr., Pub. Schls., 3 yrs.; Tchr. Edn., 26 yrs.; Trade Exp. in the Bldg. Trades, 3 yrs.. Publs.: Contbd. to the following mags., "I.A.V.E.", "Edn. Mag.", "Ind. Edn.", "Indiana Voc. Assn. News Bull.", "Indiana Ind. Edn. Assn. Bull.", "Occupations", "Schl. Shop", "Schl. Activities", "The Historical Outlook", "Voc. Guid.", and Others. Mem.: A.V.A.; N.E.A.; A.C.I.A.T.E.; Indiana Voc. Assn.; Indiana State Tchrs. Assn.; Indiana School Men's Club; Indiana Ind. Edn. Assn., Mem. of Exec. Committee; Phi Delta Kappa; Epsilon Pi Tau; Iota Lambda Sigma. Area of Splty.: Profnl. Courses.

YARBROUGH, Max, Instr., La. State Univ., Baton Rouge, La.. b.: Jan. 16, 1909, Athens, La.. Married, two children. Edn,: B.S., Ga. Inst. of Tech., 1932. Exp.: Ind. Exp., 1932-41; Asst. Supv., Trade and Ind. Edn., La., 1941-43; Training Dir. in Ind., 1943-45; Trade Schl. Dir., 1945-47; Asst. State Supv., T. & I., La., 1947; Instr., La. State Univ., 1948---. Mem.: Amer. Soc. of Training Dirs.; Phi Delta Kappa; Epsilon Pi Tau. Area of Splty.: Supervision. Avoc. Ints.: Mechanics.

YARD, Clifford L., Instr., State Tchrs. Coll., Millersville, Pa.. b.: Mar. 5, 1906, Lewistown, Mont.. Married, two children. Edn.: B.Ed., Western Ill. State Coll., Macomb, Ill., 1928; M.A., Columbia Univ., N.Y.C., 1932. Exp.: Tchr., H. Schl., Pleasant Plains, Ill., 1928-31; Instr., State Tchrs. Coll., Fredonia, N.Y., 1931-32; Instr., Pub. Schls., High Bridge, N.J., 1932-34; Instr., Jr. Sr. H. Schl., Hastings-on-Hudson, N.Y., 1934-42; Draftsman in Ind., 1942-45; Instr., Sr. H. Schl., Norwalk, Conn., 1945-46; Instr., State Tchrs. Coll., Millersville, Pa., 1946---. Publs.: Contbd. to the following mags.: "I.A.V.E."; "Ind. Edn."; "Schl. Shop". Mem.: N.E.A.; A.I.A.A.; P.S.E.A.; Kappa Delta Pi; Phi Delta Kappa; Iota Lambda Sigma. Areas of Splty.: Drafting; Electricity; Crafts; Woodwork. Travel: Canada; U.S.. Avoc. Ints.: Sports; Crafts; Hunting; Fishing.

YOHO, Lewis W., Asst. Prof., Ball State Tchrs. Coll., Muncie, Indiana.

b.: Aug. 18, 1916, Moweaqua, Ill.. Married, one child. Edn.: B.S., Indiana State Tchrs. Coll., 1941; M.S., Calif. Inst. of Tech., 1944; Grad. Work, Indiana Univ.. Exp.: Farming, 15 yrs.; Mach. Shop, War Train., Metropolic, Ill., 1941-42; Mach. Shop and Local Supv., War Train., Vandalia, Ill., 1942-43; U.S.N., 1943-46; Tchr., Gen. Shop, Math., Oliver Jr. H. Schl., South Bend, Indiana, 1946-48; Ball State Tchrs. Coll., 1948—. Mem.: N.E.A.; I.I.E.A.; A.V.A.; A.A.U.P.; Kappa Delta Pi; Epsilon Pi Tau; Iota Lambda Sigma; Phi Delta Kappa. Areas of Splty.: Metals; Drawing; Woods. Travel: U.S.; Mariana Is.. Avoc. Ints.: Plastics; Lapidary; Photography.

YOUNG, L. J. (l.i.), M.S., Asst. Prof., Dept. of Ind. Edn., Tenn. A. and I. State Coll., Nashville, Tennessee.

YOUNG, W. (l.i.), Foreman, Ind. Arts Div., Tchrs. Coll. of the City of Boston, Boston, Massachusetts.

YOWELL, A. R. (l.i.), Instr., Dept. of Shop Practice, Kan. State Coll., Manhattan, Kansas.

ZABEL, D. E. (l.i.), M.S., Instr., Dept. of Shop Practice, Kan. State Coll., Manhattan, Kansas.

ZIEGFELD, Edwin, Prof. of Fine Arts and Head, Dept. of Fine and Ind. Arts, Tchrs. Coll., Columbia Univ., N.Y.C.. b.: Aug. 15, 1905, Columbus, Ohio. Edn.: B.S., Ohio State Univ., 1927; B.S. Ed., ibid, 1933; M.L.A., Harvard Univ., 1927; Ph.D., Univ. of Minn., 1946. Exp.: Owatonna Art Edn. Project, Owatonna, Minn., 1933-38; Univ. of Minn., 1938-39; Tchr. Coll., Columbia Univ., 1939-42, 1946---; Personnel Technician, War Dept., 1942-43; Edn. Services Sect., Bureau of Naval Personnel, Navy Dept., 1943-46. Publs.: Art Today, 1941 (Rev., 1949), Co-author; Art For Daily Living, Co-author; Author and Editor of Numerous Articles for Professional Journals. Mem.: Natl. Art Edn. Assn., Pres., 1947---; A.C.I.A.T.E.; Com. on Art Edn., Museum of Modern Art, Council Mem., 1948--. Area of Splty.: Fine and Ind. Arts Edn. Travel: Europe; Mexico; Guatemala; Bermuda; Canada; U.S..

ZIMMERMANN, G. Floyd, Jr., Asst. Prof. of Ind. Arts, Fla. Southern Coll., Lakeland, Fla.. b.: Oct. 31, 1921, Albion, Mich.. Married, two children. Edn.: B.S., Fla. Southern Coll., Lakeland, Fla., 1946; Grad. Study, Univ. of Fla., Gainesville, and Univ. of Md., College Park. Exp.: Instr., Ind. Arts Dept., Fla. Southern Coll., Lakeland, 1947---; Various Const. Jobs. Mem.: A.I.A.A.; Florida Ind. Arts Assn.; Polk County Ind. Arts Assn.; Fla. Southern Coll. Ind. Arts Club; Pinellas County Ind. Arts Assn., Honorary. Areas of Splty.: Woodwork; Metals; Gen. Shop. Travel: Extensive, domestic and foreign. Avoc. Ints.: Furniture Const.; Home Workshop; Automotives; Boating.

INDEX OF INSTITUTIONS

Adams State College; 8
Agricultural and Mechanical College of Texas, The; 13, 22, 36, 51, 52, 61, 73, 77, 79, 125, 125, 130, 152, 178, 191, 195, 202, 208
Agricultural, Mechanical & Normal College; 20, 39, 45, 77, 86, 90, 115, 144, 168, 169, 191
Agricultural & Technical College of North Carolina, The; 11, 12, 27, 28, 42, 48, 62, 66, 91, 98, 139, 150, 202, 202, 203
Alabama Polytechnic Institute; 28, 52, 85, 102, 144, 163, 181
Arizona State College (Flagstaff); 19, 114, 141
Arizona State College (Tempe); 29, 35, 52, 56, 56, 61, 71, 104, 105, 126, 135, 191
Arkansas Agricultural & Mechanical College; 70, 82, 145, 193
Arkansas Polytechnic College; 60
Arkansas State Teachers College; 6, 94, 142
Arlington State College; 8
Austin Peay State College; 67, 192, 193
Ball State Teachers College; 28, 103, 115, 124, 157, 164, 209
Bemidji State Teachers College; 122, 194
Berry Schools, The; 87, 106, 129, 151, 167
Bethel College; 104, 182
Bowling Green State University; 9, 88, 90, 129, 150, 167, 187
Bradley University; 8, 15, 25, 43, 45, 45, 67, 80, 164, 168, 181, 186
Brigham Young University; 67, 174
Cameron State Agricultural College; 11, 142, 187
Central Michigan College of Education; 10, 24, 32, 49, 53
Central State College (Edmond); 49, 172, 196
Central State College (Wilberforce); 7, 31, 37, 53, 71, 97, 162, 166
Central Washington College of Education; 11, 90, 175
Cheyney State Teachers College; 101, 115, 206
Chicago Teachers College; 30, 87
Chico State College; 24, 107, 111, 143, 170
City College of New York; 104, 123, 177, 178, 201
Clemson Agricultural College, The; 120
Colorado Agricultural and Mechanical College; 51, 68, 85, 86
Colorado State College of Education; 10, 19, 34, 110, 116, 146, 207
Connors State Agricultural College; 93, 115
Dixie College; 42, 123, 174
East Carolina College; 150
East Central State College; 19, 50, 51, 139
East Tennessee State College; 102, 120, 169, 193
East Texas State Teachers College; 17, 40, 46, 74, 105, 106
Eastern Illinois State College; 53, 55, 62, 74, 107, 111, 152
Eastern Kentucky State College; 12, 47, 49, 52, 160, 198
Eastern Oklahoma Agricultural & Mechanical College; 45
Eastern New Mexico University; 18, 19, 58
Eastern Washington College of Education; 46, 112, 190
Fairmont State College; 34, 99, 206
Florida Agricultural & Mechanical College; 27, 39, 186, 196
Florida Southern College; 154, 210
Florida State University; 29, 88, 121, 137, 184
Fort Hays Kansas State College; 25, 30, 47, 154
Fresno State College; 21, 49, 53, 60, 74, 138, 166, 166

General Beadle State Teachers College; 144
George Peabody College for Teachers; 30, 71, 155
Georgia Teachers College; 57, 70, 75, 145
Gorham State Teachers College; 26, 38, 54, 120, 130, 142
Hampton Institute; 5, 40, 45, 63, 69, 114, 115, 132, 146, 151, 156, 162, 186, 189, 206
Illinois State Normal University; 9, 78, 91, 149, 155, 180
Indiana State Teachers College; 13, 15, 117, 134, 151, 174, 183, 188, 209
Iowa State College; 31, 35, 79, 89, 201
Iowa State Teachers College; 10, 44, 44, 50, 121, 143, 192, 208
James Millikin University, The; 141, 160, 174, 205
Kansas State College; 11, 30, 34, 39, 47, 50, 51, 91, 93, 136, 167, 168, 171, 171, 187, 195, 201, 206, 207, 210, 210
Kansas State Teachers College (Emporia); 9, 13, 90, 125, 207
Kansas State Teachers College (Pittsburg); 14, 24, 25, 31, 34, 45, 56, 61, 78, 83, 105, 112, 126, 133, 133, 145, 177
Keene Teachers College; 5, 30, 55
Kent State University; 11, 22, 66, 98, 117, 119, 133, 134, 141, 144, 151, 187
Kentucky State College; 7, 169
Langston University; 50, 70, 80, 85, 128, 192
Lincoln University; 114, 160, 185
Long Beach State College; 48, 118
Louisiana State University; 83, 118, 160, 172, 178, 182, 209
McPherson College; 49, 202
Mankato State Teachers College; 19, 68, 100, 136
Maryland State College; 39, 88, 182, 183
Memphis State College; 26, 40, 135, 170, 181
Miami University; 14, 62, 72, 153, 161, 180, 199, 209
Michigan State College; 66, 125, 150, 171
Michigan State Normal College; 36, 68, 70, 111, 112, 158, 198, 204
Middle Tennessee State College; 46, 64, 71, 117, 191, 203, 207
Mississippi Southern College; 186
Mississippi State College; 132
Montana State College; 8, 43, 106, 132, 171, 183
Moorhead State Teachers College; 189, 196
Morehead State College; 19, 122
Murray State College 27, 114, 139
Murray State School of Agriculture; 42, 100, 206
Nebraska State Teachers College (Chadron); 29, 185
Nebraska State Teachers College (Kearney); 33, 126, 140
Nebraska State Teachers College (Peru); 97, 112
Nebraska State Teachers College (Wayne); 137, 166, 208
Nebraska Wesleyan University; 138, 171
New Jersey State Teachers College at Newark; 63, 157
New Mexico Highlands University; 24, 195
New Mexico Western College; 56, 64, 85, 199
New York State College for Teachers; 26, 31, 61, 71, 80, 128, 133, 143, 146, 161, 178, 182, 191
New York State School of Industrial and Labor Relations, Cornell University; (No industrial arts program)
New York University; 5, 11, 14, 15, 16, 32, 76, 103, 118, 129, 129, 135, 147, 147, 148, 149, 150, 160, 167, 177, 181, 186, 188, 190
North Carolina State College of Agriculture & Engineering of the University of North Carolina; 92, 165
North Texas State College; 20, 20, 47, 53, 57, 57, 77, 90, 122, 131, 136, 158, 175, 199
Northeast Missouri State Teachers College; 12, 39, 129
Northeastern State College; 60, 63, 86, 179, 191
Northern Idaho College of Education; 163, 179
Northern Illinois State Teachers College; 55, 82, 109, 139, 168
Northern Michigan College of Education; 163, 175, 192

Northern Montana College; 56, 107, 107
Northern Oklahoma Junior College; 114, 162, 179
Northern State Teachers College; 68, 196
Northwest Missouri State College; 44, 158, 186, 189
Northwestern State College (Alva); 121, 194
Northwestern State College (Nachitoches); 150, 159
Ohio Northern University; 107, 116
Ohio State University, The; 54, 84, 119, 182, 194, 194
Ohio University; 31, 107, 143, 146, 187
Oklahoma Agricultural and Mechanical College; 16, 87, 94, 96, 184
Oregon State College; 42, 75, 100, 127, 159, 172, 204, 206
Pacific Lutheran College; 101
Pacific Union College; 19, 38, 43, 55, 61, 98, 188
Panhandle Agricultural & Mechanical College; 35, 93, 183
Pennsylvania State College, The; 64, 67, 111
Platteville State Teachers College; 99, 119, 141, 144
Prairie View Agricultural & Mechanical College; 11, 15, 39, 39, 59, 77, 86, 88, 90, 93, 97, 100, 100, 101, 102, 120, 121, 125, 130, 150, 154, 179, 18 185, 195, 205, 205, 208
Purdue University; 15, 26, 35, 87, 88, 113, 121, 132, 137, 149, 159, 160, 162, 163, 184, 190
Ricks College; 62, 82
Sam Houston State Teachers College; 70, 153, 174
San Diego State College; 30, 117, 147
San Francisco State College; 138
San Jose State College; 9, 28, 35, 35, 36, 43, 101, 116, 118, 140, 145, 147, 175, 176, 179, 189
Seattle Pacific College; 188
South Dakota State College; 7, 87, 183, 192
Southeastern State College; 54, 64, 196
Southeast Missouri State College; 111, 192, 202
Southern Illinois University; 16, 18, 56, 75, 93, 100, 109, 166
Southern State Teachers College; 7, 56, 93, 96, 138
Southern University & Agricultural & Mechanical College; 10, 41, 81, 81, 98, 134, 186
Southwestern Louisiana Institute; 17, 22, 161, 190
Southwestern State College; 36, 86
Southwest Missouri State College; 70, 106, 140, 185
Southwest Texas State Teachers College; 23, 24, 48, 81
State Agricultural and Mechanical College; 5, 38, 43, 91, 102, 195
State College of Washington; 50, 94, 199
State Normal and Industrial College; 30, 58, 110, 114, 131, 184, 199
State Teachers College at California; 24, 32, 37, 41, 51, 91, 136, 169, 173, 178, 198
State Teachers College (Dickinson); 80
State Teachers College (Fitchburg); 59, 75, 82, 97, 108, 152
State Teachers College (Millersville); 58, 104, 131, 141, 145, 209
State Teachers College (Minot); 21, 60, 121
State Teachers College of New Jersey; 8, 52, 54, 99
State Teachers College (St. Cloud); 28, 113, 143, 153
State University of New York, Teachers College; 6, 32, 40, 58, 68, 82, 83, 84, 86, 89, 95, 95, 103, 108, 125, 140, 158, 159, 161, 165, 167, 180, 188, 201
Stout Institute, The; 7, 7, 12, 17, 20, 23, 37, 41, 65, 79, 98, 105, 109, 129, 140, 153, 154, 155, 156, 161, 170, 174, 183, 193, 200, 201
Sul Ross State College; 13, 54, 173
Superior State College; 143, 200, 208
Tarleton State College; 20, 48
Teachers College of the City of Boston; 178, 191, 192, 210
Teachers College, Columbia University; 59, 113, 210
Teachers College of Connecticut; 13, 132, 158, 197

Tennessee Agricultural & Industrial State College; 39, 44, 59, 61, 67, 71, 80, 93, 102, 113, 118, 125, 162, 163, 179, 185, 210
Tennessee Polytechnic Institute; 114, 132, 189
Texas College of Arts & Industries; 73, 124
Texas State University for Negroes, The; 189
Tuskegee Institute; 6, 30, 39, 47, 62, 64, 66, 75, 94, 102, 116, 116, 124, 124
University of Alabama; 38, 165
University of California, Santa Barbara College; 33, 55, 57, 72, 73, 76, 91, 105, 108, 117, 123, 123, 125, 128, 131, 135, 157, 163, 164, 168, 176, 185
University of Florida; 16, 69, 127, 137, 181, 203
University of Georgia; 81, 138, 149
University of Houston; 33, 38, 63, 64
University of Idaho; 153
University of Illinois; 58, 88, 94, 103, 122
University of Maryland; 26, 92, 118
University of Miami; 96, 124, 126
University of Michigan; 22, 46, 68, 197
University of Minnesota; 8, 104, 125, 128, 136, 172, 187, 200
University of Minnesota; Duluth Branch; 109, 169, 191
University of Missouri; 27, 51, 115, 175
University of Nebraska; 55, 56, 134
University of New Mexico; 10, 20, 26, 48
University of North Dakota; 17, 151
University of Oklahoma; 23, 50, 80, 96
University of Omaha; 27, 151
University of South Dakota; 62
University of Tampa; 18, 22, 171
University of Tennessee; 205
University of Vermont & State Agricultural College; 84, 111, 120, 146, 162
University of Washington; 10, 92
University of Wyoming; 38, 91, 168
Utah State Agricultural College; 76, 98, 133
Valley City State Teachers College;
Virginia Polytechnic Institute; 72, 116, 164
Virginia State College; 6, 11, 25, 37, 40, 41, 47, 60, 72, 72, 112, 126, 150, 155, 207, 208
Walla Walla College; 39, 42, 113, 192
Wayne University; 14, 77, 170
West Texas State College; 28, 69
West Virginia Institute of Technology; 30, 43, 67, 78, 84, 152, 183
West Virginia University; 6, 21, 24, 48, 130
Western Carolina Teachers College; 25, 113
Western Illinois State College; 72, 129, 155, 198
Western Kentucky State College; 12, 38, 135, 172
Western Michigan College of Education; 18, 25, 59, 60, 94, 137, 148, 152, 196
Western Montana College of Education; 130
Western State College; 195
Western Washington College of Education; 29, 37, 144, 156, 167
Westmar College; 43, 46
Wilmington College; 178
Winona State Teachers College; 33, 89, 96
Xavier University; 110, 157